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# **WATERBORNE COMMERCE OF THE UNITED STATES**

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Calendar Year 1999

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**Part 4–  
Waterways and Harbors  
Pacific Coast, Alaska and Hawaii**

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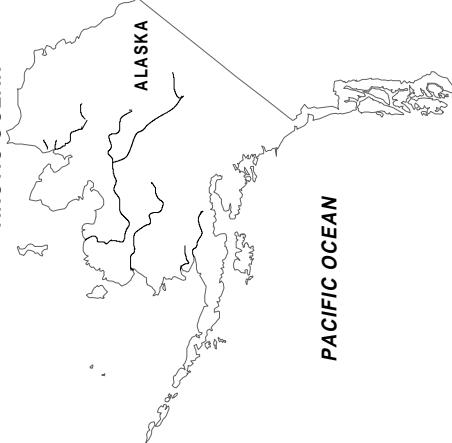
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#### PART 4

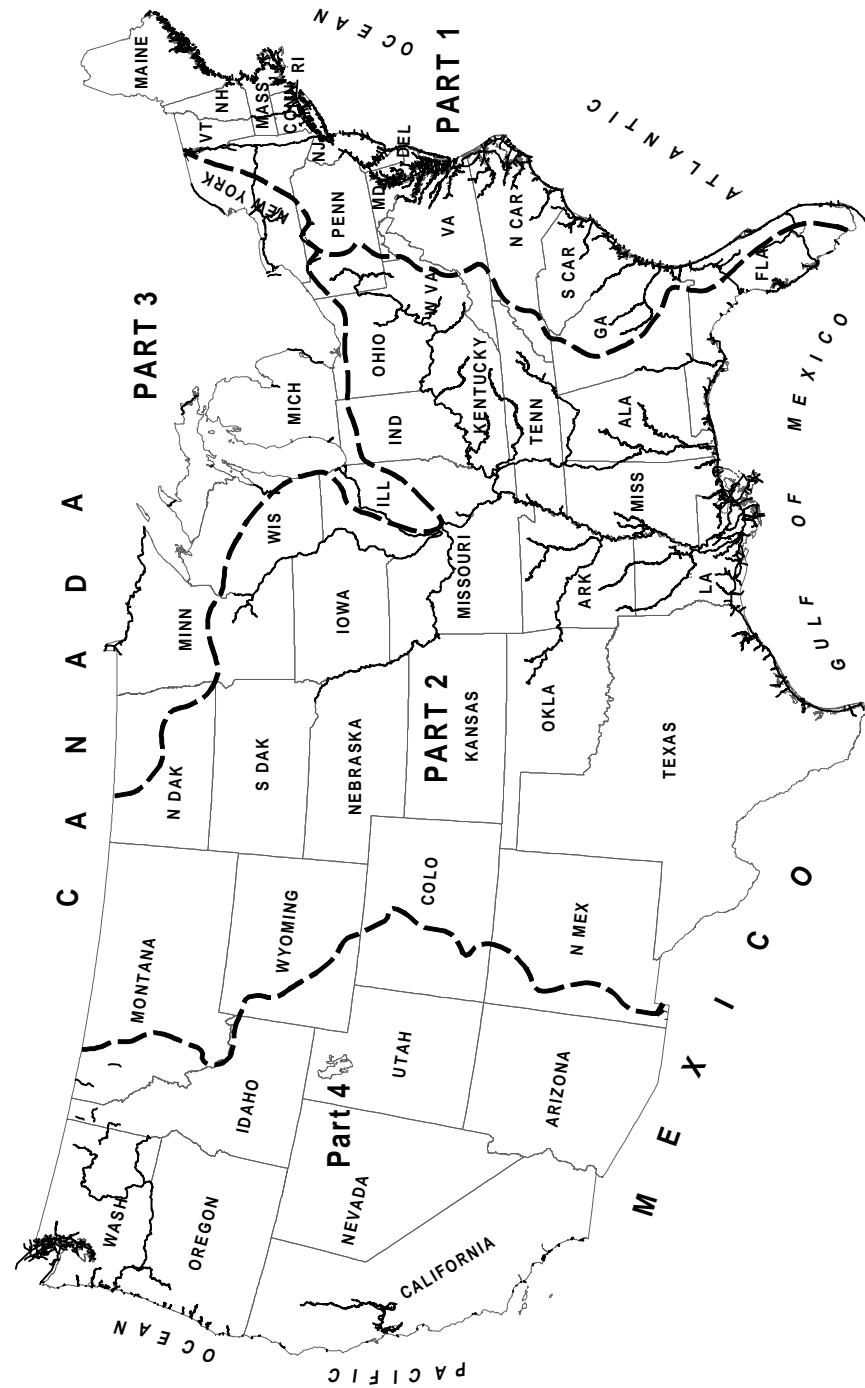
#### ARCTIC OCEAN



Geographical Areas Covered by  
Waterborne Commerce Statistics Publications  
of the

#### DEPARTMENT OF THE ARMY CORPS OF ENGINEERS

(Heavy broken lines indicate the limits embraced by  
each part of the five part series)



#### PART 4

#### PACIFIC OCEAN



#### WATERBORNE COMMERCE OF THE UNITED STATES

- Part 1 - Atlantic Coast
- Part 2 - Gulf Coast, Mississippi River System and Antilles
- Part 3 - Great Lakes
- Part 4 - Pacific Coast, Alaska and Hawaii
- Part 5 - Waterborne Commerce of the United States  
(National Summary)

#### PART 2



#### PART 5

CARIBBEAN SEA

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# Introduction

## General

*Waterborne Commerce of the United States, WCUS, Part 4 is one of a series of publications which provides statistics on the foreign and domestic waterborne commerce moved on the United States waters. WCUS, Parts 1-4* present detailed data on the movements of vessels and commodities at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands.

The publication numbers and the geographical areas covered in **WCUS, Parts 1-5** are detailed below:

**WCUS, Part 1 Atlantic Coast**

**WCUS, Part 2 Gulf Coast, Mississippi River System and Antilles**

**WCUS, Part 3 Great Lakes**

**WCUS, Part 4 Pacific Coast, Alaska and Hawaii**

**WCUS, Part 5 National Summaries**

## Legal Authority

The legal authority for the collection, compilation and publication of waterborne commerce statistics by the Army Corps of Engineers is Section 11 of the Rivers and Harbors Appropriations Act of 1922 (42 Stat. 1043), as amended, and codified in 33 U.S.C. 555 and provides the following:

Owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be required by the Secretary of the Army: Provided. That this provision shall not apply to those rafting logs, except upon a direct request upon the owner

to furnish specific information.

Every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of not more than \$5,000 or imprisonment not exceeding two months, to be enforced in any district court of the United States within whose territorial jurisdiction such offense may have been committed. In addition, the Secretary may assess a civil penalty of up to \$2,500 per violation against any person or entity, that fails to provide timely, accurate statements required to be submitted pursuant to this section by the Secretary.

The vessel and commodity movement information collected and compiled is designed to meet the data requirements of the Department of the Army in connection with the duties assigned by Congress. These data also provide valuable information for other governmental departments, commercial and shipping concerns and others interested in the U.S. transportation industry.

## Domestic Commerce

Contiguous and non-contiguous states and territories constitute the geographical space upon which domestic commerce may be transported. This includes Hawaii, Alaska, the 48 contiguous states, Puerto Rico and the Virgin Islands, Guam, American Samoa, Wake Island and the U.S. Trust Territories.

The waterborne traffic movements are reported to the Corps of Engineers by all vessel operators of record on ENG Forms 3925 and 3925b (or equivalent) approved by the Office of Management and Budget under the Paperwork Reduction Act (44 U.S.C. 3510(a)). The reports are generally submitted on the basis of individual vessel movements completed. For

movements with cargo, the point of loading and the point of unloading of each individual commodity must be delineated. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo movements in Department of Defense vessels are not collected.

In summarizing the domestic commerce certain movements are excluded: Cargo carried on general ferries; coal and petroleum products loaded from shore facilities directly into bunkers of vessels for fuel; and insignificant amounts of government materials (less than 100 tons) moved on government owned equipment in support of Corps projects.

The fish landing data is furnished by the National Marine Fisheries Service. No domestic fishing vessel trips are included in the trip and draft data of the Trips and Drafts Section.

### **Foreign Commerce**

Foreign commerce is waterborne import, export, and in-transit traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between Guam, Wake Island and American Samoa and any other foreign country.

Foreign waterborne intraport and export statistics are derived primarily from data furnished to the Corps of Engineers by the Bureau of the Census and the U.S. Customs Service. In-transit statistics are derived primarily from data purchased from the Port Import Export Reporting Service, Inc. and supplemented by data provided by Customs and Census.

The Republic of Panama is considered a foreign country. However, individual vessel movements with origin and destination at United States ports traveling via the Panama Canal are considered domestic traffic. Alaskan crude oil (origin at Valdez, AK) shipped via the Panama pipeline (west to east) and destined for gulf and east coast ports is also considered domestic commerce.

Import and export shipments for use of the United States Armed Forces abroad are not reported to the Waterborne Commerce Statistics Center (WCSC). Beginning with calendar year 1989 shipments under the military assistance program of the Department of Defense are

included in the statistics under the appropriate commodity code. In prior years these cargoes were given as commodity code 9999.

### **Commodity Descriptions**

The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as, with commodity movements of other countries.

### **Tonnage**

The tonnage figures provided throughout the **WCUS, Parts 1-5** represent short tons (2000 pounds). Tonnage figures are rounded to the nearest 1000 tons.

A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Some freight tables have "Total" and "Grand Total". The "Total" means that in some cases it is the total for domestic or foreign and Canadian traffic. The "Grand Total" specifically represents the sum total of all the different traffics, including all domestic and foreign traffic. If a particular column or traffic type has only dashes and zeroes in the tonnage fields for that entire freight table then that column (traffic type) will not print.

### **Ton-Miles**

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports. For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Ton-miles are rounded to the nearest 1000 ton-miles. The ton-mile data appears in the publication by traffic type at the end of a particular freight table for a given project. Since there are columns that will not print (see

tonnage above) the ton-miles associated with these columns will likewise not be included in the total ton-miles for that particular freight table. They will be included in "Ton-miles All Traffic" at the end of the project.

**Trips**

A trip is a vessel movement. For self-propelled vessels, a trip is logged between every point of departure and every point of arrival. For loaded barges, a trip is logged from the point of the loading of the barge to the point of unloading of the barge (i.e., excluding fleeting areas). For empty barges, trips are logged from point of unloading to the point of loading counting the fleeting areas in between (e.g. if an empty barge moved from Dock A to Dock B and the barge stopped at three fleeting areas in between, then four trips are logged.)

Some towboat trips and empty barge moves are estimated from a sample to expedite processing and reduce costs. Even with sampling, however, the number of towboat trips

are calculated from more than 70% of the total number of towboat moves reported, and the number of barge trips are derived from more than 85% of the total number of barge trips reported.

The number of trips also includes vessels engaged in foreign trade. These moves are furnished by the Bureau of the Census who process the data collected on U.S. Customs Service entrance and clearance forms.

To more accurately reflect actual traffic patterns (e.g. inbound versus outbound trip counts), some adjustments are made to the trip counts in the trip and draft tables in this publication.

**Special Interest**

... For calendar year 1999 the State of California did not furnish the fish statistics in time for this printing.

... Passenger totals are not included in this publication but are available on request.

# Terminology

## Types of Traffic

### *Foreign*

#### **Imports**

**Overseas:** Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in foreign countries other than Canada.

**Canadian:** Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in Canada.

#### **Exports**

**Overseas:** Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for foreign countries other than Canada.

**Canadian:** Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for Canada.

**In-transit Merchandise:** Merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import. In-transit merchandise is treated as an **Import (inbound)** when unloaded from a vessel and as an **Export (outbound)** when loaded onto a vessel.

### *Domestic*

**Coastwise:** Domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico,(e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed **Coastwise**.

**Lakewise:** Waterborne traffic between the United States ports on the Great Lakes System. The Great Lakes System is treated as a separate waterway system rather than as a part of the inland waterway system. In comparing historical data for the Great Lakes System, one should note that prior to calendar year 1990, marine products, and sand and gravel being moved from the Great Lakes to Great Lake destinations were classified as local traffic. From 1990 on, these activities are classified as lakewise traffic.

**Internal:** Vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska.

The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes; those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.

**Intraport:** Movement of freight within the confines of a port whether the port has one or several arms or channels included in the port definition. This traffic type will not include car-ferries and general ferries moving within a port.

**Through:** Movements transiting a waterway, or stretch thereof, as defined in the project description of individual tables, and having origins and destinations outside of the defined area.

**Intra-waterway:** Shipments and receipts within the limits of a river, waterway or canal. This traffic will not include car-ferries and general ferries moving within a waterway or Corps project.

**Intra-territory:** Traffic between ports in Puerto Rico and the Virgin Islands, which are considered a single unit.

## Traffic Direction

### Waterways

**Upbound:** Traffic that moves in an upstream direction. For waterways without a characteristic monodirectional flow (e.g. the Gulf Intracoastal Waterway), "upbound" means in a northerly or easterly direction.

**Downbound:** Traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or westerly direction.

**Inbound:** Traffic moving from one waterway into another where the destination is on the subject waterway.

**Outbound:** Traffic moving from one waterway into another where the origin is on the subject waterway.

### Ports

**Receipts:** Traffic moving from one location to another where the destination is within the limits of the subject port.

**Shipments:** Traffic moving from one location to another where the origin is within the limits of the subject port.

**Commodity Descriptions:** The first two digits of the Waterborne Commerce Statistics Center (WCSC) publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as with commodity movements of other countries.

**Tons:** The tonnage figures provided throughout the *Waterborne Commerce of the United States, WCUS, Parts 1-5* represent short tons (2000 pounds).

Where noted, tonnage figures are rounded to the nearest thousand tons. A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

**Ton-miles:** Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles. Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water (e.g. 50 short tons moving 200 miles on a particular waterway would yield 10,000 ton-miles for that waterway). The ton-mile parameter measures the total performance of a waterway. Ton-miles are not computed for ports.

For coastwise traffic this represents the mileage on the shortest route that safe navigation permits between the point of origin and destination. The source of this distance information for coastwise traffic is the publication, *Distance Between United States Ports*, published by the National Oceanic and Atmospheric Administration (1987).

For rivers and inland waterways the distances were computed from waterway survey maps and records of the Corps of Engineers.

For the Great Lakes System the ton-miles are computed for movements of cargo west of the international boundary of St. Regis, Quebec, Canada to head of Lake Superior at Duluth, MN and Superior, WI.

For Canadian imports and exports, foreign ton-miles are computed as the tonnage times the distance between the U.S. and Canadian ports.

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports.

For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels.

Ton-miles are rounded to the nearest thousand.

**Trans-shipments:** Ports and offshore anchorages where cargo is moved from one vessel to another. These are: St. Lucia, Virgin Islands; Heald Bank off the Louisiana and Texas coasts; Chirqui Grande, Panama; Puerto Armuelles, Panama; and Hondo Platform-Pacific Ocean.

## Commodity Classification List

<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>	<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>
00 Units				3282	Pigments & Paints		
	0200	Vehicles		3283	Coloring Mat. NEC		
	0300	Passengers		3284	Medicines		
10 Coal				3285	Perfumes & Cleansers		
	1100	Coal		3286	Plastics		
	1200	Coal Coke		3291	Pesticides		
20 Petroleum & Petroleum Products				3292	Starches,Gluten,Glue		
21 Crude Petroleum				3293	Explosives		
	2100	Crude Petroleum		3297	Chemical Additives		
22-29 Petroleum Products				3298	Wood & Resin Chem.		
	2211	Gasoline		3299	Chem. Products NEC		
	2221	Kerosene		40	Crude Materials, Inedible Except Fuels		
	2330	Distillate Fuel Oil		41	Forest Products, Wood and Chips		
	2340	Residual Fuel Oil		4110	Rubber & Gums		
	2350	Lube Oil & Greases		4150	Fuel Wood		
	2410	Petro. Jelly & Waxes		4161	Wood Chips		
	2429	Naphtha & Solvents		4170	Wood in the Rough		
	2430	Asphalt, Tar & Pitch		4189	Lumber		
	2540	Petroleum Coke		4190	Forest Products NEC		
	2640	Liquid Natural Gas		42	Pulp and Waste Paper		
	2990	Petro. Products NEC		4225	Pulp & Waste Paper		
30 Chemicals and Related Products				43	Soil, Sand, Gravel, Rock and Stone		
31 Fertilizers				4310	Building Stone		
	3110	Nitrogenous Fert.		4322	Limestone		
	3120	Phosphatic Fert.		4323	Gypsum		
	3130	Potassic Fert.		4327	Phosphate Rock		
	3190	Fert. & Mixes NEC		4331	Sand & Gravel		
32 Other Chemicals and Related Products				4333	Dredged Material		
	3211	Acyclic Hydrocarbons		4335	Waterway Improv. Mat		
	3212	Benzene & Toluene		4338	Soil & Fill Dirt		
	3219	Other Hydrocarbons		44	Iron Ore and Scrap		
	3220	Alcohols		4410	Iron Ore		
	3230	Carboxylic Acids		4420	Iron & Steel Scrap		
	3240	Nitrogen Func. Comp.		45	Marine Shells		
	3250	Organic-Inorganic Comp.		4515	Marine Shells		
	3260	Organic Comp. NEC		46	Non-Ferrous Ores and Scrap		
	3271	Sulphur (Liquid)		4630	Copper Ore		
	3272	Sulphuric Acid		4650	Aluminum Ore		
	3273	Ammonia		4670	Manganese Ore		
	3274	Sodium Hydroxide		4680	Non-Ferrous Scrap		
	3275	Inorg. Elemt.,Oxides, & Halogen Salts		4690	Non-Ferrous Ores NEC		
	3276	Metallic Salts		47	Sulphur, Clay and Salt		
	3279	Inorganic Chem. NEC		4741	Sulphur, (Dry)		
	3281	Radioactive Material		4782	Clay & Refrac. Mat.		
				4783	Salt		
				48	Slag		
				4860	Slag		
				49	Other Non-Metal. Min.		
				4900	Non-Metal. Min. NEC		

## Commodity Classification List (continued)

<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>	<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>
50 Primary Manufactured Goods	51 Paper Products	5110	Newsprint	68 Other Agricultural Products	6811	Meat, Fresh, Frozen	
		5120	Paper & Paperboard		6817	Meat, Prepared	
		5190	Paper Products NEC		6822	Dairy Products	
52 Lime, Cement and Glass	5210 Lime				6835	Fish, Prepared	
	5220 Cement & Concrete				6838	Tallow, Animal Oils	
	5240 Glass & Glass Prod.				6839	Animals & Prod. NEC	
	5290 Misc. Mineral Prod.				6856	Bananas & Plantains	
53 Primary Iron and Steel Products	5312 Pig Iron				6857	Fruit & Nuts NEC	
	5315 Ferro Alloys				6858	Fruit Juices	
	5320 I&S Primary Forms				6861	Sugar	
	5330 I&S Plates & Sheets				6865	Molasses	
	5360 I&S Bars & Shapes				6871	Coffee	
	5370 I&S Pipe & Tube				6872	Cocoa Beans	
	5390 Primary I&S NEC				6885	Alcoholic Beverages	
54 Primary Non-Ferrous Metal Products	5421 Copper				6887	Groceries	
	5422 Aluminum				6888	Water & Ice	
	5429 Smelted Prod. NEC				6889	Food Products NEC	
	5480 Fab. Metal Products				6891	Tobacco & Products	
55 Primary Wood Products; Veneer	5540 Primary Wood Prod.				6893	Cotton	
60 Food and Farm Products	61 Fish				6894	Natural Fibers NEC	
	6134 Fish (Not Shellfish)				6899	Farm Products NEC	
	6136 Shellfish			70 All Manufactured Equipment, Machinery and Products			
62-64 Grain	6241 Wheat			7110	Machinery (Not Elec)		
	6344 Corn			7120	Electrical Machinery		
	6442 Rice			7210	Vehicles & Parts		
	6443 Barley & Rye			7220	Aircraft & Parts		
	6445 Oats			7230	Ships & Boats		
	6447 Sorghum Grains			7300	Ordnance & Access.		
65 Oilseeds	6521 Peanuts			7400	Manufac. Wood Prod.		
	6522 Soybeans			7500	Textile Products		
	6534 Flaxseed			7600	Rubber & Plastic Pr.		
	6590 Oilseeds NEC			7800	Empty Containers		
66 Vegetable Products	6653 Vegetable Oils			7900	Manufac. Prod. NEC		
	6654 Vegetables & Prod.			80 Waste and Scrap NEC			
67 Processed Grain and Animal Feed	6746 Wheat Flour				8900	Waste and Scrap NEC	
	6747 Grain Mill Products			90 Unknown or Not Elsewhere Classified			
	6781 Hay & Fodder				99	Unknown or Not Elsewhere Clsfld	
	6782 Animal Feed, Prep.				9900	Unknown or NEC	



## Section 1 Freight Traffic



SAN DIEGO HARBOR, CA

Section Included: Entire harbor. Controlling and Project Depths: 42 feet in entrance channel; 30 to 42 feet in Bay Channel, and turning basin 26 to 35 feet in anchorage areas; 10 to 16 feet in other channels and areas.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,280	1993	1,294	1996	1,842	1999	2,659
1991	904	1994	1,167	1997	1,724		
1992	638	1995	1,351	1998	1,873		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Coastwise Receipts	Internal Receipts
<b>Total, all commodities</b>	<b>2,659</b>	<b>1,627</b>	<b>448</b>	<b>67</b>	<b>8</b>	<b>509</b>	<b>464</b>	<b>45</b>
<b>Total coal</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
1200 coal coke	0	—	0	—	—	—	—	—
<b>Total petroleum and petroleum products</b>	<b>308</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>307</b>	<b>307</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>308</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>307</b>	<b>307</b>	<b>—</b>
2211 gasoline	82	—	—	—	—	82	82	—
2330 distillate fuel oil	8	—	—	—	—	8	8	—
2340 residual fuel oil	218	—	—	—	—	218	218	—
2350 lube oil & greases	1	—	1	—	—	—	—	—
2429 naphtha & solvents	0	—	0	—	—	—	—	—
<b>Total chemicals and related products</b>	<b>524</b>	<b>85</b>	<b>431</b>	<b>—</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>82</b>	<b>82</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	50	50	—	—	—	—	—	—
3190 fert. & mixes nec	32	32	0	—	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>442</b>	<b>3</b>	<b>431</b>	<b>—</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>—</b>
3211 acyclic hydrocarbons	3	—	3	—	—	—	—	—
3220 alcohols	0	—	0	—	—	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—	—
3260 organic comp. nec	0	—	0	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	434	—	426	—	8	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—	—	—
3284 medicines	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—	—	—
3286 plastics	5	3	1	—	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>690</b>	<b>476</b>	<b>6</b>	<b>7</b>	<b>—</b>	<b>201</b>	<b>156</b>	<b>45</b>
<b>Subtotal forest products, wood and chips</b>	<b>245</b>	<b>38</b>	<b>—</b>	<b>7</b>	<b>—</b>	<b>201</b>	<b>156</b>	<b>45</b>
4189 lumber	163	—	—	7	—	156	156	—
4190 forest products nec	83	38	—	—	—	45	—	45
<b>Subtotal pulp and waste paper</b>	<b>6</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	6	—	6	—	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>427</b>	<b>427</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4331 sand & gravel	427	427	0	—	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>12</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4410 iron ore	12	12	—	—	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	0	—	0	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>746</b>	<b>684</b>	<b>1</b>	<b>61</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>118</b>	<b>57</b>	<b>1</b>	<b>61</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5110 newsprint	104	43	—	61	—	—	—	—
5120 paper & paperboard	3	3	0	—	—	—	—	—
5190 paper products nec	11	11	0	—	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>610</b>	<b>609</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5220 cement & concrete	609	609	—	—	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—	—
5290 misc. mineral prod.	0	0	0	—	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5360 i&s bars & shapes	3	3	—	—	—	—	—	—
5370 i&s pipe & tube	1	1	0	—	—	—	—	—

SAN DIEGO HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Coastwise Receipts	Internal Receipts
<b>Subtotal primary non-ferrous metal products</b>	<b>15</b>	<b>14</b>	<b>0</b>	—	—	—	—	—
5421 copper	0	—	0	—	—	—	—	—
5480 fab. metal products	15	14	0	—	—	—	—	—
<b>Total food and farm products</b>	<b>71</b>	<b>70</b>	<b>1</b>	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>25</b>	<b>25</b>	—	—	—	—	—	—
6590 oilseeds nec	25	25	—	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	—
6747 grain mill products	0	—	0	—	—	—	—	—
6782 animal feed, prep.	0	—	0	—	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>46</b>	<b>45</b>	<b>0</b>	—	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—	—
6822 dairy products	0	—	0	—	—	—	—	—
6857 fruit & nuts nec	45	45	0	—	—	—	—	—
6871 coffee	0	0	—	—	—	—	—	—
6872 cocoa beans	0	0	—	—	—	—	—	—
6885 alcoholic beverages	0	0	0	—	—	—	—	—
6889 food products nec	0	—	0	—	—	—	—	—
6899 farm products nec	0	—	0	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>320</b>	<b>311</b>	<b>9</b>	<b>0</b>	—	<b>1</b>	<b>1</b>	—
7110 machinery (not elec)	2	0	1	—	—	1	1	—
7120 electrical machinery	0	0	0	—	—	—	—	—
7210 vehicles & parts	314	310	5	—	—	—	—	—
7220 aircraft & parts	0	0	0	—	—	—	—	—
7230 ships & boats	0	0	0	0	—	—	—	—
7300 ordnance & access.	0	—	0	—	—	—	—	—
7400 manufac. wood prod.	0	—	0	—	—	—	—	—
7500 textile products	2	1	1	—	—	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—	—	—	—
7900 manufac. prod. nec	0	0	0	—	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—	—	—
9900 unknown or nec	0	0	0	—	—	—	—	—

LONG BEACH HARBOR, CA

Section Included: Entire harbor within the city limits of Long Beach. Controlling Depth: 62 feet in Long Beach Entrance Channel; 50 feet to 55 feet in turning basins; 35 feet in Cerritos Channel. Project Depth: 35 feet in Long Beach channel and other channels and basins.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	52,425	1993	54,321	1996	58,395	1999	<b>60,883</b>
1991	52,891	1994	56,522	1997	57,255		
1992	52,049	1995	53,227	1998	57,745		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
<b>Total, all commodities</b>	<b>42,208</b>	<b>28,007</b>	<b>13,663</b>	<b>440</b>	<b>97</b>
<b>Total coal</b>	<b>404</b>	<b>2</b>	<b>401</b>	<b>0</b>	—
1100 coal lignite	404	2	401	0	—
<b>Total petroleum and petroleum products</b>	<b>13,454</b>	<b>8,371</b>	<b>4,896</b>	<b>98</b>	<b>90</b>
<b>Subtotal crude petroleum</b>	<b>5,750</b>	<b>5,750</b>	<b>0</b>	—	—
2100 crude petroleum	5,750	5,750	0	—	—
<b>Subtotal petroleum products</b>	<b>7,704</b>	<b>2,621</b>	<b>4,896</b>	<b>98</b>	<b>90</b>
2211 gasoline	360	359	1	—	—
2221 kerosene	939	895	2	43	—
2330 distillate fuel oil	561	427	83	51	—
2340 residual fuel oil	886	691	190	4	1
2350 lube oil & greases	79	4	75	—	—
2410 petro. jelly & waxes	8	2	6	—	—
2429 naphtha & solvents	778	229	548	—	—
2430 asphalt, tar & pitch	189	1	189	—	—
2540 petroleum coke	3,890	0	3,801	—	89
2640 liquid natural gas	14	12	2	—	—
<b>Total chemicals and related products</b>	<b>3,906</b>	<b>1,795</b>	<b>2,000</b>	<b>112</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>96</b>	<b>2</b>	<b>93</b>	<b>0</b>	—
3110 nitrogenous fert.	50	1	49	0	—
3120 phosphatic fert.	1	—	1	—	—
3130 potassic fert.	19	0	18	—	—
3190 fert. & mixes nec	27	2	25	0	—

LONG BEACH HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
<b>Subtotal other chemicals and related products</b>	<b>3,811</b>	<b>1,792</b>	<b>1,907</b>	<b>112</b>	<b>0</b>
3211 acyclic hydrocarbons	15	1	14	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	39	14	26	—	—
3220 alcohols	178	36	88	55	0
3230 carboxylic acids	95	46	49	0	0
3240 nitrogen func. comp.	152	28	124	—	—
3250 organo - inorg. comp.	67	24	43	—	—
3260 organic comp. nec	1,068	993	42	34	—
3271 sulphur (liquid)	0	0	0	—	—
3272 sulphuric acid	1	0	1	—	—
3273 ammonia	5	0	5	—	—
3274 sodium hydroxide	35	10	2	23	—
3275 inorg. elem., oxides, & halogen salts	151	64	87	—	0
3276 metallic salts	161	40	121	0	—
3279 inorganic chem. nec	7	5	1	—	—
3281 radioactive material	10	9	1	—	—
3282 pigments & paints	104	21	83	—	0
3283 coloring mat. nec	24	17	7	—	—
3284 medicines	36	15	21	0	—
3285 perfumes & cleansers	100	22	78	0	0
3286 plastics	1,193	338	855	0	0
3291 pesticides	29	9	20	—	—
3292 starches, gluten, glue	58	20	38	0	—
3293 explosives	38	38	0	—	—
3297 chemical additives	85	3	82	—	—
3298 wood & resin chem.	9	3	6	—	—
3299 chem. products nec	151	36	114	—	0
<b>Total crude materials, inedible except fuels</b>	<b>3,295</b>	<b>978</b>	<b>2,303</b>	<b>13</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>196</b>	<b>130</b>	<b>53</b>	<b>13</b>	<b>0</b>
4110 rubber & gums	51	50	1	—	—
4150 fuel wood	2	0	2	—	—
4161 wood chips	4	1	4	—	0
4170 wood in the rough	15	4	11	—	—
4189 lumber	95	52	30	13	—
4190 forest products nec	28	23	6	0	—
<b>Subtotal pulp and waste paper</b>	<b>1,176</b>	<b>51</b>	<b>1,125</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	1,176	51	1,125	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>707</b>	<b>624</b>	<b>82</b>	<b>—</b>	<b>0</b>
4310 building stone	5	2	2	—	—
4322 limestone	1	0	1	—	—
4323 gypsum	605	591	14	—	0
4327 phosphate rock	25	6	19	—	—
4331 sand & gravel	71	25	46	—	—
<b>Subtotal iron ore and scrap</b>	<b>509</b>	<b>5</b>	<b>504</b>	<b>—</b>	<b>—</b>
4410 iron ore	10	—	10	—	—
4420 iron & steel scrap	499	5	494	—	—
<b>Subtotal marine shells</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>
4515 marine shells	1	1	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>126</b>	<b>25</b>	<b>102</b>	<b>—</b>	<b>—</b>
4630 copper ore	0	—	0	—	—
4650 aluminum ore	13	5	8	—	—
4670 manganese ore	0	0	0	—	—
4680 non-ferrous scrap	105	18	87	—	—
4690 non-ferrous ores nec	9	2	7	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>413</b>	<b>19</b>	<b>394</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	354	0	353	—	—
4782 clay & refrac. mat.	59	19	41	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4860 slag	0	0	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>167</b>	<b>123</b>	<b>44</b>	<b>0</b>	<b>0</b>
4900 non-metal. min. nec	167	123	44	0	0
<b>Total primary manufactured goods</b>	<b>5,505</b>	<b>4,740</b>	<b>548</b>	<b>211</b>	<b>6</b>
<b>Subtotal paper products</b>	<b>860</b>	<b>370</b>	<b>276</b>	<b>209</b>	<b>5</b>
5110 newsprint	229	48	2	174	5
5120 paper & paperboard	476	214	227	35	—
5190 paper products nec	154	108	47	0	—
<b>Subtotal lime, cement and glass</b>	<b>2,255</b>	<b>2,138</b>	<b>116</b>	<b>0</b>	<b>0</b>
5210 lime	0	0	0	—	—
5220 cement & concrete	1,082	1,062	20	—	—
5240 glass & glass prod.	199	170	29	0	0
5290 misc. mineral prod.	974	907	66	0	0
<b>Subtotal primary iron and steel products</b>	<b>1,033</b>	<b>997</b>	<b>35</b>	<b>0</b>	<b>1</b>
5312 pig iron	11	8	3	—	—
5315 ferro alloys	17	14	2	—	—
5320 i&s primary forms	42	40	2	0	—
5330 i&s plates & sheets	536	526	11	—	—
5360 i&s bars & shapes	205	201	5	—	—
5370 i&s pipe & tube	162	150	11	—	1
5390 primary i&s nec	60	59	1	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>1,290</b>	<b>1,179</b>	<b>109</b>	<b>1</b>	<b>0</b>
5421 copper	49	36	13	—	—
5422 aluminum	69	37	32	—	0
5429 smelted prod. nec	36	24	12	0	—

LONG BEACH HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Foreign		Canadian	
			Imports*	Exports*	Imports*	Exports*
5480	fab. metal products	1,135	1,083	52	1	0
	<b>Subtotal primary wood products</b>	<b>68</b>	<b>56</b>	<b>12</b>	<b>0</b>	<b>—</b>
5540	primary wood prod.	68	56	12	0	—
	<b>Total food and farm products</b>	<b>4,558</b>	<b>1,950</b>	<b>2,602</b>	<b>5</b>	<b>0</b>
	<b>Subtotal fish</b>	<b>339</b>	<b>259</b>	<b>79</b>	<b>0</b>	<b>0</b>
6134	fish (not shellfish)	168	122	46	0	0
6136	shellfish	171	137	34	0	0
	<b>Subtotal grain</b>	<b>67</b>	<b>33</b>	<b>33</b>	<b>0</b>	<b>—</b>
6241	wheat	0	—	0	—	—
6344	corn	14	1	13	—	—
6442	rice	49	32	17	—	—
6443	barley & rye	0	0	0	0	—
6445	oats	0	—	0	—	—
6447	sorghum grains	2	—	2	—	—
	<b>Subtotal oilseeds</b>	<b>64</b>	<b>10</b>	<b>53</b>	<b>—</b>	<b>—</b>
6521	peanuts	1	0	1	—	—
6522	soybeans	40	0	40	—	—
6590	oilseeds nec	22	10	12	—	—
	<b>Subtotal vegetable products</b>	<b>513</b>	<b>252</b>	<b>258</b>	<b>2</b>	<b>0</b>
6653	vegetable oils	72	50	22	0	0
6654	vegetables & prod.	441	202	237	2	0
	<b>Subtotal processed grain and animal feed</b>	<b>833</b>	<b>98</b>	<b>735</b>	<b>1</b>	<b>0</b>
6746	wheat flour	14	1	13	0	—
6747	grain mill products	93	51	42	0	0
6781	hay & fodder	494	0	494	—	—
6782	animal feed, prep.	232	46	186	—	—
	<b>Subtotal other agricultural products</b>	<b>2,742</b>	<b>1,298</b>	<b>1,443</b>	<b>1</b>	<b>0</b>
6811	meat, fresh, frozen	336	44	293	0	—
6817	meat, prepared	36	11	25	—	—
6822	dairy products	37	12	24	—	—
6835	fish, prepared	120	111	9	0	—
6838	tallow, animal oils	76	2	74	—	—
6839	animals & prod. nec	131	23	108	—	—
6856	bananas & plantains	317	308	10	—	—
6857	fruit & nuts nec	428	109	319	0	—
6858	fruit juices	224	165	59	0	—
6861	sugar	5	1	4	—	—
6865	molasses	15	15	0	—	—
6871	coffee	101	93	9	0	0
6872	cocoa beans	9	9	0	—	—
6885	alcoholic beverages	323	207	115	1	—
6888	water & ice	56	51	5	0	—
6889	food products nec	266	111	155	0	0
6891	tobacco & products	48	6	42	0	—
6893	cotton	173	1	172	—	—
6894	natural fibers nec	7	5	1	—	—
6899	farm products nec	32	15	17	—	—
	<b>Total all manufactured equipment, machinery and products</b>	<b>10,950</b>	<b>10,095</b>	<b>852</b>	<b>2</b>	<b>1</b>
7110	machinery (not elec)	1,093	900	193	0	0
7120	electrical machinery	2,480	2,326	153	0	0
7210	vehicles & parts	775	706	69	0	0
7220	aircraft & parts	6	2	5	0	—
7230	ships & boats	3	2	1	0	—
7300	ordnance & access.	8	6	2	—	—
7400	manufac. wood prod.	158	141	17	0	0
7500	textile products	1,487	1,369	118	0	0
7600	rubber & plastic pr.	968	840	127	0	—
7900	manufac. prod. nec	3,971	3,804	167	1	0
	<b>Total unknown or not elsewhere classified</b>	<b>136</b>	<b>76</b>	<b>60</b>	<b>0</b>	<b>0</b>
9900	unknown or nec	136	76	60	0	0

	Commodity	Total	Domestic				
			Coastwise	Shipments	Receipts		
	<b>Total, all commodities</b>	<b>18,675</b>	<b>15,962</b>	<b>2,104</b>	<b>461</b>	<b>87</b>	<b>61</b>
	<b>Total petroleum and petroleum products</b>	<b>16,724</b>	<b>14,392</b>	<b>1,733</b>	<b>458</b>	<b>84</b>	<b>57</b>
	<b>Subtotal crude petroleum</b>	<b>13,016</b>	<b>12,691</b>	<b>325</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100	crude petroleum	13,016	12,691	325	—	—	—
	<b>Subtotal petroleum products</b>	<b>3,708</b>	<b>1,700</b>	<b>1,408</b>	<b>458</b>	<b>84</b>	<b>57</b>
2211	gasoline	1,613	979	634	0	—	—
2221	kerosene	23	23	—	—	—	—
2330	distillate fuel oil	849	418	420	6	5	—
2340	residual fuel oil	1,001	127	290	447	79	57
2350	lube oil & greases	92	88	0	5	0	—
2410	petro. jelly & waxes	1	—	1	—	—	—
2429	naphtha & solvents	129	66	64	—	—	—
2540	petroleum coke	0	—	0	—	—	—
	<b>Total chemicals and related products</b>	<b>662</b>	<b>640</b>	<b>22</b>	<b>—</b>	<b>—</b>	<b>—</b>
	<b>Subtotal fertilizers</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
3190	fert. & mixes nec	1	—	1	—	—	—
	<b>Subtotal other chemicals and related products</b>	<b>661</b>	<b>640</b>	<b>21</b>	<b>—</b>	<b>—</b>	<b>—</b>
3211	acyclic hydrocarbons	3	—	3	—	—	—
3219	other hydrocarbons	5	4	3	—	—	—
3220	alcohols	16	15	0	—	—	—

LONG BEACH HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal		Receipts	Shipments
		Receipts	Shipments	Receipts	Shipments		
3230 carboxylic acids	2	—	2	—	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—
3260 organic comp. nec	4	3	1	—	—	—	—
3274 sodium hydroxide	38	38	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	1	—	1	—	—	—	—
3281 radioactive material	0	—	0	—	—	—	—
3282 pigments & paints	0	0	—	—	—	—	—
3284 medicines	0	—	0	—	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—	—
3286 plastics	3	—	3	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—
3293 explosives	0	—	0	—	—	—	—
3297 chemical additives	575	575	—	—	—	—	—
3298 wood & resin chem.	9	3	6	—	—	—	—
3299 chem. products nec	4	1	3	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>764</b>	<b>738</b>	<b>18</b>	<b>2</b>	<b>2</b>	<b>4</b>	
<b>Subtotal forest products, wood and chips</b>	<b>205</b>	<b>204</b>	<b>0</b>	—	—	—	—
4189 lumber	204	204	0	—	—	—	—
4190 forest products nec	0	0	0	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>5</b>	<b>—</b>	<b>5</b>	—	—	—	—
4225 pulp & waste paper	5	—	5	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>553</b>	<b>534</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>4</b>	
4323 gypsum	0	—	0	—	—	—	—
4331 sand & gravel	553	534	12	2	1	4	
<b>Subtotal iron ore and scrap</b>	<b>1</b>	<b>—</b>	<b>0</b>	—	—	—	—
4420 iron & steel scrap	1	—	0	—	—	—	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>—</b>	<b>0</b>	—	—	—	—
4515 marine shells	0	—	0	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>1</b>	<b>0</b>	<b>0</b>	—	—	—	—
4630 copper ore	0	—	0	—	—	—	—
4680 non-ferrous scrap	1	0	0	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>—</b>	<b>0</b>	—	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>0</b>	—	—	—	—
4900 non-metal. min. nec	0	—	0	—	—	—	—
<b>Total primary manufactured goods</b>	<b>14</b>	<b>4</b>	<b>10</b>	—	—	—	
<b>Subtotal paper products</b>	<b>2</b>	<b>0</b>	<b>2</b>	—	—	—	—
5110 newsprint	0	—	0	—	—	—	—
5120 paper & paperboard	2	0	2	—	—	—	—
5190 paper products nec	0	—	0	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>6</b>	<b>4</b>	<b>3</b>	—	—	—	—
5240 glass & glass prod.	4	4	0	—	—	—	—
5290 misc. mineral prod.	3	—	3	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>5</b>	<b>1</b>	<b>5</b>	—	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—	—
5360 i&s bars & shapes	4	—	4	—	—	—	—
5370 i&s pipe & tube	1	1	0	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—	—
5421 copper	0	—	0	—	—	—	—
5422 aluminum	0	—	0	—	—	—	—
5429 smelted prod. nec	0	—	0	—	—	—	—
5480 fab. metal products	0	0	0	—	—	—	—
<b>Total food and farm products</b>	<b>185</b>	<b>143</b>	<b>43</b>	—	—	—	
<b>Subtotal fish</b>	<b>1</b>	<b>1</b>	<b>0</b>	—	—	—	—
6134 fish (not shellfish)	0	0	0	—	—	—	—
6136 shellfish	1	1	0	—	—	—	—
<b>Subtotal grain</b>	<b>0</b>	<b>—</b>	<b>0</b>	—	—	—	—
6344 corn	0	—	0	—	—	—	—
<b>Subtotal oilseeds</b>	<b>0</b>	<b>—</b>	<b>0</b>	—	—	—	—
6521 peanuts	0	—	0	—	—	—	—
<b>Subtotal vegetable products</b>	<b>2</b>	<b>—</b>	<b>2</b>	—	—	—	—
6654 vegetables & prod.	2	—	2	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>17</b>	<b>10</b>	<b>7</b>	—	—	—	
6746 wheat flour	6	0	6	—	—	—	—
6747 grain mill products	0	0	0	—	—	—	—
6782 animal feed, prep.	11	9	2	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>165</b>	<b>132</b>	<b>33</b>	—	—	—	
6811 meat, fresh, frozen	2	—	2	—	—	—	—
6817 meat, prepared	2	—	2	—	—	—	—
6822 dairy products	0	—	0	—	—	—	—
6835 fish, prepared	130	130	—	—	—	—	—
6838 tallow, animal oils	0	—	0	—	—	—	—
6839 animals & prod. nec	3	—	3	—	—	—	—
6857 fruit & nuts nec	13	0	13	—	—	—	—
6858 fruit juices	1	1	0	—	—	—	—
6861 sugar	0	—	0	—	—	—	—
6871 coffee	0	0	0	—	—	—	—
6885 alcoholic beverages	2	—	2	—	—	—	—
6888 water & ice	0	0	—	—	—	—	—
6889 food products nec	4	1	3	—	—	—	—
6891 tobacco & products	1	—	1	—	—	—	—
6894 natural fibers nec	0	—	0	—	—	—	—

LONG BEACH HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6899 farm products nec	6	—	6	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>323</b>	<b>44</b>	<b>277</b>	<b>1</b>	<b>1</b>	<b>0</b>
7110 machinery (not elec)	1	0	1	0	—	—
7120 electrical machinery	0	0	0	—	—	—
7210 vehicles & parts	19	7	13	—	—	—
7220 aircraft & parts	0	—	0	—	—	—
7230 ships & boats	0	0	—	—	—	—
7400 manufac. wood prod.	0	—	0	—	—	—
7500 textile products	24	12	13	—	—	—
7600 rubber & plastic pr.	1	0	1	—	—	—
7800 empty containers	0	0	—	—	—	—
7900 manufac. prod. nec	276	24	250	1	1	0
<b>Total unknown or not elsewhere classified</b>	<b>3</b>	<b>1</b>	<b>2</b>	—	—	—
9900 unknown or nec	3	1	2	—	—	—

\*Includes 1,251 (x1000) tons of foreign inbound in-transits; Includes 336 (x1000) tons of foreign outbound in-transits;  
Includes 6 (x1000) tons of Canadian inbound in-transits; Includes 1 (x1000) tons of Canadian outbound in-transits.

LOS ANGELES HARBOR, CA

Section Included: Entire harbor within the city limits of Los Angeles. Controlling Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel. Project Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	46,352	1993	43,623	1996	45,689	<b>1999</b>	<b>42,267</b>
1991	47,008	1994	43,140	1997	41,774		
1992	40,104	1995	46,479	1998	44,144		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
<b>Total, all commodities</b>	<b>36,658</b>	<b>23,947</b>	<b>12,156</b>	<b>546</b>	<b>10</b>
<b>Total coal</b>	<b>2,709</b>	<b>0</b>	<b>2,709</b>	—	—
1100 coal lignite	2,708	0	2,708	—	—
1200 coal coke	1	—	1	—	—
<b>Total petroleum and petroleum products</b>	<b>6,687</b>	<b>4,673</b>	<b>1,840</b>	<b>174</b>	<b>0</b>
<b>Subtotal crude petroleum</b>	<b>1,557</b>	<b>1,557</b>	—	—	—
2100 crude petroleum	1,557	1,557	—	—	—
<b>Subtotal petroleum products</b>	<b>5,129</b>	<b>3,116</b>	<b>1,840</b>	<b>174</b>	<b>0</b>
2211 gasoline	115	115	0	—	—
2221 kerosene	1,763	1,706	0	56	—
2330 distillate fuel oil	689	522	49	117	0
2340 residual fuel oil	519	451	68	—	—
2350 lube oil & greases	74	4	70	—	—
2410 petro. jelly & waxes	24	20	4	—	—
2429 naphtha & solvents	684	296	388	0	—
2430 asphalt, tar & pitch	21	0	21	—	—
2540 petroleum coke	1,237	0	1,237	0	—
2640 liquid natural gas	3	1	2	—	—
<b>Total chemicals and related products</b>	<b>3,544</b>	<b>1,257</b>	<b>2,049</b>	<b>237</b>	<b>1</b>
<b>Subtotal fertilizers</b>	<b>67</b>	<b>31</b>	<b>36</b>	<b>0</b>	—
3110 nitrogenous fert.	22	19	2	—	—
3120 phosphatic fert.	0	0	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	45	12	33	0	—
<b>Subtotal other chemicals and related products</b>	<b>3,477</b>	<b>1,226</b>	<b>2,013</b>	<b>237</b>	<b>1</b>
3211 acyclic hydrocarbons	44	0	43	0	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	39	8	31	0	—
3220 alcohols	108	20	50	38	—
3230 carboxylic acids	96	52	44	—	—
3240 nitrogen func. comp.	150	32	119	0	0
3250 organo - inorg. comp.	104	22	82	—	—
3260 organic comp. nec	744	505	54	184	0
3271 sulphur (liquid)	2	—	2	—	—
3272 sulphuric acid	3	2	0	—	—
3273 ammonia	1	0	1	—	—
3274 sodium hydroxide	24	19	5	—	—
3275 inorg. elem., oxides, & halogen salts	182	53	129	0	—
3276 metallic salts	356	26	328	2	—
3279 inorganic chem. nec	6	5	1	0	—
3281 radioactive material	4	2	2	—	—
3282 pigments & paints	78	22	56	0	0
3283 coloring mat. nec	15	10	5	0	0
3284 medicines	28	13	15	0	0
3285 perfumes & cleansers	115	19	95	0	0

LOS ANGELES HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Foreign		Canadian	
			Imports*	Exports*	Imports*	Exports*
3286	plastics	1,031	310	709	12	0
3291	pesticides	20	6	14	—	—
3292	starches, gluten, glue	83	42	41	0	0
3293	explosives	26	26	0	—	—
3297	chemical additives	64	4	60	—	0
3298	wood & resin chem.	6	2	4	0	—
3299	chem. products nec	148	26	122	1	0
<b>Total crude materials, inedible except fuels</b>		<b>2,403</b>	<b>286</b>	<b>2,045</b>	<b>70</b>	<b>1</b>
<b>Subtotal forest products, wood and chips</b>		<b>283</b>	<b>193</b>	<b>54</b>	<b>36</b>	<b>0</b>
4110	rubber & gums	83	82	1	—	—
4150	fuel wood	3	1	2	—	—
4161	wood chips	5	0	5	—	—
4170	wood in the rough	21	11	10	—	0
4189	lumber	140	73	32	35	—
4190	forest products nec	30	25	4	1	0
<b>Subtotal pulp and waste paper</b>		<b>933</b>	<b>12</b>	<b>888</b>	<b>34</b>	<b>—</b>
4225	pulp & waste paper	933	12	888	34	—
<b>Subtotal soil, sand, gravel, rock and stone</b>		<b>82</b>	<b>43</b>	<b>38</b>	<b>0</b>	<b>0</b>
4310	building stone	2	2	1	0	—
4322	limestone	0	0	0	—	—
4323	gypsum	16	0	16	—	—
4327	phosphate rock	2	1	1	—	—
4331	sand & gravel	61	41	21	—	—
<b>Subtotal iron ore and scrap</b>		<b>743</b>	<b>1</b>	<b>742</b>	<b>—</b>	<b>—</b>
4410	iron ore	2	0	2	—	—
4420	iron & steel scrap	741	1	740	—	—
<b>Subtotal marine shells</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>
4515	marine shells	1	1	1	—	—
<b>Subtotal non-ferrous ores and scrap</b>		<b>147</b>	<b>21</b>	<b>126</b>	<b>0</b>	<b>0</b>
4630	copper ore	0	—	0	—	—
4650	aluminum ore	10	5	5	0	—
4670	manganese ore	0	—	0	—	—
4680	non-ferrous scrap	113	14	99	0	0
4690	non-ferrous ores nec	24	2	22	—	0
<b>Subtotal sulphur, clay and salt</b>		<b>145</b>	<b>7</b>	<b>138</b>	<b>0</b>	<b>—</b>
4741	sulphur, (dry)	90	1	89	—	—
4782	clay & refrac. mat.	55	6	49	0	—
<b>Subtotal slag</b>		<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4860	slag	0	—	0	—	—
<b>Subtotal other non-metal. min.</b>		<b>67</b>	<b>9</b>	<b>58</b>	<b>—</b>	<b>—</b>
4900	non-metal. min. nec	67	9	58	—	—
<b>Total primary manufactured goods</b>		<b>7,096</b>	<b>6,483</b>	<b>575</b>	<b>36</b>	<b>1</b>
<b>Subtotal paper products</b>		<b>658</b>	<b>302</b>	<b>322</b>	<b>34</b>	<b>0</b>
5110	newsprint	68	24	12	32	—
5120	paper & paperboard	472	199	270	3	0
5190	paper products nec	119	79	40	0	0
<b>Subtotal lime, cement and glass</b>		<b>1,772</b>	<b>1,675</b>	<b>96</b>	<b>0</b>	<b>1</b>
5210	lime	0	0	0	—	—
5220	cement & concrete	852	845	7	—	—
5240	glass & glass prod.	191	156	35	0	0
5290	misc. mineral prod.	729	674	54	0	1
<b>Subtotal primary iron and steel products</b>		<b>3,186</b>	<b>3,143</b>	<b>42</b>	<b>1</b>	<b>0</b>
5312	pig iron	9	3	6	—	—
5315	ferro alloys	3	2	1	—	—
5320	i&s primary forms	1,690	1,689	1	0	—
5330	i&s plates & sheets	763	741	22	0	—
5360	i&s bars & shapes	324	321	3	0	0
5370	i&s pipe & tube	352	345	7	0	0
5390	primary i&s nec	44	42	2	1	—
<b>Subtotal primary non-ferrous metal products</b>		<b>1,286</b>	<b>1,180</b>	<b>105</b>	<b>1</b>	<b>0</b>
5421	copper	47	34	13	0	—
5422	aluminum	70	37	32	0	0
5429	smelted prod. nec	50	39	12	0	—
5480	fab. metal products	1,119	1,070	47	1	0
<b>Subtotal primary wood products</b>		<b>193</b>	<b>182</b>	<b>10</b>	<b>—</b>	<b>—</b>
5540	primary wood prod.	193	182	10	—	—
<b>Total food and farm products</b>		<b>4,480</b>	<b>2,411</b>	<b>2,048</b>	<b>16</b>	<b>6</b>
<b>Subtotal fish</b>		<b>218</b>	<b>171</b>	<b>45</b>	<b>3</b>	<b>0</b>
6134	fish (not shellfish)	99	65	31	3	0
6136	shellfish	119	106	13	0	0
<b>Subtotal grain</b>		<b>251</b>	<b>104</b>	<b>146</b>	<b>1</b>	<b>—</b>
6241	wheat	127	0	127	—	—
6344	corn	10	2	8	—	—
6442	rice	111	102	9	—	—
6443	barley & rye	2	0	2	0	—
6445	oats	1	—	1	1	—
6447	sorghum grains	0	—	0	—	—
<b>Subtotal oilseeds</b>		<b>40</b>	<b>5</b>	<b>34</b>	<b>0</b>	<b>—</b>
6521	peanuts	4	0	4	—	—
6522	soybeans	21	0	20	—	—
6590	oilseeds nec	15	5	9	0	—
<b>Subtotal vegetable products</b>		<b>374</b>	<b>188</b>	<b>183</b>	<b>4</b>	<b>0</b>
6653	vegetable oils	30	14	15	1	0

LOS ANGELES HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Foreign		Canadian	
			Imports*	Exports*	Imports*	Exports*
6654	vegetables & prod.	344	174	167	3	0
	<b>Subtotal processed grain and animal feed</b>	<b>620</b>	<b>69</b>	<b>548</b>	<b>3</b>	<b>0</b>
6746	wheat flour	15	1	14	—	—
6747	grain mill products	78	47	30	2	0
6781	hay & fodder	342	2	339	0	—
6782	animal feed, prep.	186	19	165	0	—
	<b>Subtotal other agricultural products</b>	<b>2,976</b>	<b>1,874</b>	<b>1,092</b>	<b>6</b>	<b>5</b>
6811	meat, fresh, frozen	462	230	230	2	—
6817	meat, prepared	20	11	9	—	—
6822	dairy products	54	21	33	0	—
6835	fish, prepared	117	109	6	1	—
6838	tallow, animal oils	40	1	40	—	—
6839	animals & prod. nec	126	43	82	0	—
6856	bananas & plantains	588	587	0	—	—
6857	fruit & nuts nec	395	202	191	1	0
6858	fruit juices	233	196	36	0	—
6861	sugar	3	3	1	—	—
6865	molasses	46	46	0	—	—
6871	coffee	68	64	3	—	1
6872	cocoa beans	8	8	0	—	—
6885	alcoholic beverages	210	162	46	0	3
6888	water & ice	63	60	3	0	—
6889	food products nec	266	118	147	0	0
6891	tobacco & products	45	3	42	—	—
6893	cotton	211	0	210	—	1
6894	natural fibers nec	1	1	0	0	—
6899	farm products nec	22	8	13	0	—
	<b>Total all manufactured equipment, machinery and products</b>	<b>9,631</b>	<b>8,788</b>	<b>831</b>	<b>11</b>	<b>2</b>
7110	machinery (not elec)	1,034	846	185	3	0
7120	electrical machinery	2,011	1,870	139	1	1
7210	vehicles & parts	1,008	906	101	1	0
7220	aircraft & parts	5	1	3	0	—
7230	ships & boats	6	3	3	0	—
7300	ordnance & access.	8	3	5	—	—
7400	manufac. wood prod.	144	131	10	3	0
7500	textile products	1,161	1,062	97	2	0
7600	rubber & plastic pr.	1,031	897	133	1	0
7900	manufac. prod. nec	3,223	3,069	152	2	0
	<b>Total unknown or not elsewhere classified</b>	<b>108</b>	<b>48</b>	<b>59</b>	<b>1</b>	<b>0</b>
9900	unknown or nec	108	48	59	1	0

	Commodity	Total	Domestic			
			Coastwise	Shipments	Receipts	Internal Shipments
	<b>Total, all commodities</b>	<b>5,609</b>	<b>3,315</b>	<b>1,501</b>	<b>86</b>	<b>461</b>
	<b>Total petroleum and petroleum products</b>	<b>3,489</b>	<b>2,252</b>	<b>449</b>	<b>84</b>	<b>458</b>
	<b>Subtotal crude petroleum</b>	<b>237</b>	<b>208</b>	<b>29</b>	<b>—</b>	<b>—</b>
2100	crude petroleum	237	208	29	—	—
	<b>Subtotal petroleum products</b>	<b>3,252</b>	<b>2,044</b>	<b>420</b>	<b>84</b>	<b>458</b>
2211	gasoline	920	825	95	0	—
2221	kerosene	58	58	—	—	—
2330	distillate fuel oil	511	326	156	5	6
2340	residual fuel oil	1,394	488	157	79	447
2350	lube oil & greases	260	246	4	0	5
2429	naphtha & solvents	51	51	—	—	—
2430	asphalt, tar & pitch	40	40	0	—	—
2640	liquid natural gas	0	0	0	—	—
2990	petro. products nec	17	9	7	—	—
	<b>Total chemicals and related products</b>	<b>325</b>	<b>257</b>	<b>68</b>	<b>—</b>	<b>—</b>
	<b>Subtotal fertilizers</b>	<b>14</b>	<b>—</b>	<b>14</b>	<b>—</b>	<b>—</b>
3190	fert. & mixes nec	14	—	14	—	—
	<b>Subtotal other chemicals and related products</b>	<b>311</b>	<b>257</b>	<b>55</b>	<b>—</b>	<b>—</b>
3212	benzene & toluene	7	7	—	—	—
3274	sodium hydroxide	63	63	—	—	—
3275	inorg. elem., oxides, & halogen salts	0	0	—	—	—
3281	radioactive material	1	1	—	—	—
3282	pigments & paints	12	0	12	—	—
3284	medicines	4	0	4	—	—
3285	perfumes & cleansers	20	0	19	—	—
3286	plastics	1	—	1	—	—
3291	pesticides	1	—	1	—	—
3293	explosives	1	—	1	—	—
3297	chemical additives	180	173	6	—	—
3298	wood & resin chem.	22	12	10	—	—
	<b>Total crude materials, inedible except fuels</b>	<b>386</b>	<b>353</b>	<b>30</b>	<b>1</b>	<b>2</b>
	<b>Subtotal forest products, wood and chips</b>	<b>25</b>	<b>9</b>	<b>15</b>	<b>—</b>	<b>—</b>
4189	lumber	24	9	14	—	—
4190	forest products nec	1	—	1	—	—
	<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4225	pulp & waste paper	0	—	0	—	—
	<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>344</b>	<b>327</b>	<b>13</b>	<b>1</b>	<b>2</b>
4331	sand & gravel	342	327	11	1	2
4338	soil & fill dirt	2	—	2	—	—

LOS ANGELES HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal		Receipts	Shipments
		Receipts	Shipments	Receipts	Shipments		
<b>Subtotal iron ore and scrap</b>	<b>16</b>	<b>16</b>	—	—	—	—	—
4420 iron & steel scrap	16	16	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>2</b>	<b>0</b>	<b>2</b>	—	—	—	—
4900 non-metal. min. nec	2	0	2	—	—	—	—
<b>Total primary manufactured goods</b>	<b>119</b>	<b>7</b>	<b>111</b>	—	—	—	—
<b>Subtotal paper products</b>	<b>32</b>	<b>5</b>	<b>27</b>	—	—	—	—
5110 newsprint	0	—	0	—	—	—	—
5120 paper & paperboard	6	0	6	—	—	—	—
5190 paper products nec	26	5	21	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>46</b>	<b>0</b>	<b>46</b>	—	—	—	—
5210 lime	0	—	0	—	—	—	—
5220 cement & concrete	13	0	13	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—
5290 misc. mineral prod.	32	0	32	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>0</b>	<b>1</b>	—	—	—	—
5370 i&s pipe & tube	1	0	1	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>38</b>	<b>2</b>	<b>37</b>	—	—	—	—
5480 fab. metal products	38	2	37	—	—	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	<b>0</b>	<b>2</b>	—	—	—	—
5540 primary wood prod.	2	0	2	—	—	—	—
<b>Total food and farm products</b>	<b>590</b>	<b>268</b>	<b>323</b>	—	—	—	—
<b>Subtotal fish</b>	<b>2</b>	<b>0</b>	<b>2</b>	—	—	—	—
6134 fish (not shellfish)	2	0	2	—	—	—	—
<b>Subtotal grain</b>	<b>0</b>	<b>—</b>	<b>0</b>	—	—	—	—
6442 rice	0	—	0	—	—	—	—
<b>Subtotal vegetable products</b>	<b>28</b>	<b>7</b>	<b>21</b>	—	—	—	—
6653 vegetable oils	0	0	—	—	—	—	—
6654 vegetables & prod.	28	7	21	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>21</b>	<b>2</b>	<b>19</b>	—	—	—	—
6746 wheat flour	6	—	6	—	—	—	—
6747 grain mill products	2	0	2	—	—	—	—
6781 hay & fodder	1	—	1	—	—	—	—
6782 animal feed, prep.	12	2	10	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>539</b>	<b>258</b>	<b>280</b>	—	—	—	—
6811 meat, fresh, frozen	28	0	28	—	—	—	—
6822 dairy products	5	0	5	—	—	—	—
6835 fish, prepared	90	90	—	—	—	—	—
6839 animals & prod. nec	3	3	0	—	—	—	—
6856 bananas & plantains	4	—	4	—	—	—	—
6857 fruit & nuts nec	3	0	3	—	—	—	—
6858 fruit juices	99	97	2	—	—	—	—
6861 sugar	0	0	0	—	—	—	—
6871 coffee	1	0	0	—	—	—	—
6885 alcoholic beverages	93	0	93	—	—	—	—
6887 groceries	19	0	19	—	—	—	—
6889 food products nec	186	61	125	—	—	—	—
6891 tobacco & products	1	—	1	—	—	—	—
6899 farm products nec	7	7	0	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>699</b>	<b>179</b>	<b>518</b>	<b>1</b>	<b>1</b>	<b>0</b>	
7110 machinery (not elec)	73	28	45	—	0	—	—
7120 electrical machinery	13	1	12	—	—	—	—
7210 vehicles & parts	90	34	57	—	—	—	—
7220 aircraft & parts	0	0	0	—	—	—	—
7230 ships & boats	1	0	1	—	—	—	—
7400 manufac. wood prod.	4	1	3	—	—	—	—
7500 textile products	19	10	9	—	—	—	—
7600 rubber & plastic pr.	6	1	5	—	—	—	—
7900 manufac. prod. nec	491	102	387	1	1	0	
<b>Total unknown or not elsewhere classified</b>	<b>1</b>	<b>0</b>	<b>1</b>	—	—	—	—
9900 unknown or nec	1	0	1	—	—	—	—

\*Includes 728 (x1000) tons of foreign inbound in-transits; Includes 272 (x1000) tons of foreign outbound in-transits;  
Includes 47 (x1000) tons of Canadian inbound in-transits; Includes 6 (x1000) tons of Canadian outbound in-transits.

PORT HUENEME, CA

Section Included: Harbor at Port Hueneme. Project Depths: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Channel Basin and Channel A. Controlling Depth: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Central Basin and Channel A.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	574	1993	696	1996	943	1999	1,121
1991	416	1994	814	1997	988		
1992	474	1995	1,076	1998	1,328		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Shipments
		Imports*	Exports*	Total	Coastwise Receipts	Shipments	
<b>Total, all commodities</b>	<b>1,120</b>	<b>929</b>	<b>100</b>	<b>91</b>	<b>82</b>	<b>9</b>	<b>1</b>
<b>Total petroleum and petroleum products</b>	<b>82</b>	—	—	<b>82</b>	<b>82</b>	—	—
<b>Subtotal petroleum products</b>	<b>82</b>	—	—	<b>82</b>	<b>82</b>	—	—
2330 distillate fuel oil	4	—	—	4	4	4	—
2340 residual fuel oil	78	—	—	78	78	—	—
<b>Total chemicals and related products</b>	<b>39</b>	<b>39</b>	—	—	—	—	—
<b>Subtotal fertilizers</b>	<b>39</b>	<b>39</b>	—	—	—	—	—
3110 nitrogenous fert.	39	39	—	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>42</b>	<b>42</b>	<b>0</b>	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>41</b>	<b>41</b>	—	—	—	—	—
4225 pulp & waste paper	41	41	—	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>1</b>	<b>1</b>	—	—	—	—	—
4420 iron & steel scrap	1	1	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
4680 non-ferrous scrap	0	—	0	—	—	—	—
<b>Total primary manufactured goods</b>	<b>1</b>	<b>1</b>	<b>0</b>	—	—	—	—
<b>Subtotal paper products</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—	—
5120 paper & paperboard	0	0	0	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—
5290 misc. mineral prod.	0	—	0	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>0</b>	—	—	—	—	—
5330 i&s plates & sheets	0	0	—	—	—	—	—
5360 i&s bars & shapes	0	0	—	—	—	—	—
5370 i&s pipe & tube	0	0	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—	—
5422 aluminum	0	—	0	—	—	—	—
5429 smelted prod. nec	0	—	0	—	—	—	—
5480 fab. metal products	0	0	0	—	—	—	—
<b>Subtotal primary wood products</b>	<b>1</b>	<b>0</b>	<b>0</b>	—	—	—	—
5540 primary wood prod.	1	0	0	—	—	—	—
<b>Total food and farm products</b>	<b>597</b>	<b>508</b>	<b>89</b>	—	—	—	—
<b>Subtotal fish</b>	<b>8</b>	<b>8</b>	—	—	—	—	—
6134 fish (not shellfish)	0	0	—	—	—	—	—
6136 shellfish	8	8	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
6782 animal feed, prep.	0	—	0	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>590</b>	<b>500</b>	<b>89</b>	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—
6822 dairy products	0	—	0	—	—	—	—
6835 fish, prepared	0	0	—	—	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—	—
6856 bananas & plantains	477	477	—	—	—	—	—
6857 fruit & nuts nec	111	23	89	—	—	—	—
6858 fruit juices	1	1	0	—	—	—	—
6889 food products nec	0	—	0	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>357</b>	<b>338</b>	<b>9</b>	<b>9</b>	—	<b>9</b>	<b>1</b>
7110 machinery (not elec)	47	37	1	9	—	9	1
7120 electrical machinery	0	0	0	—	—	—	—
7210 vehicles & parts	308	300	7	—	—	—	—
7220 aircraft & parts	0	0	—	—	—	—	—
7230 ships & boats	0	0	0	—	—	—	—
7300 ordnance & access.	0	0	—	—	—	—	—
7500 textile products	0	—	0	—	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—	—	—
7900 manufac. prod. nec	1	0	1	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>2</b>	<b>1</b>	<b>1</b>	—	—	—	—
9900 unknown or nec	2	1	1	—	—	—	—

\*Includes 53 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
MISSION BAY, CA	No Commerce Reported	
MORRO BAY HARBOR, CA	No Commerce Reported	
NEWPORT BAY HARBOR, CA	No Commerce Reported	
REDONDO BEACH, CA	No Commerce Reported	
SANTA BARBARA HARBOR, CA	No Commerce Reported	

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP CHANNEL AND THE PORT OF SACRAMENTO, CA)

Section Included: From mouth of river to Red Bluff via river route, a distance of 248 miles; from mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, a distance of 29.9 miles. Controlling Depth: Mouth of river to Cache Slough, 29 feet; mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, 29 feet; mouth of Cache Slough to Sacramento via river route, 10 feet; Sacramento to Colusa, 6 feet in low water season; Colusa to Chico Landing, 3 feet.; Chico Landing to Red Bluff, 1.5 feet. Project Depth: 30 feet from mouth of river to Cache Slough; 30 feet from Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel; 10 feet from mouth of Cache Slough to Sacramento via river route; 6 feet from Sacramento to Colusa; 5 feet. from Colusa to Chico Landing; such depths as practicable from Chico Landing to Red Bluff.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,574	1993	1,094	1996	1,289	1999	925
1991	1,335	1994	1,573	1997	1,178		
1992	1,160	1995	1,171	1998	946		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Imports	Domestic			Internal Inbound Upbound
		Imports	Exports		Total	Coastwise	Shipments	
<b>Total, all commodities</b>	<b>925</b>	<b>175</b>	<b>661</b>	<b>25</b>	<b>65</b>	<b>46</b>	<b>9</b>	<b>10</b>
<b>Total petroleum and petroleum products</b>	<b>35</b>	—	<b>35</b>	—	—	—	—	—
<b>Subtotal petroleum products</b>	<b>35</b>	—	<b>35</b>	—	—	—	—	—
2429 naphtha & solvents	35	—	35	—	—	—	—	—
<b>Total chemicals and related products</b>	<b>238</b>	<b>161</b>	<b>1</b>	<b>25</b>	<b>52</b>	<b>46</b>	<b>6</b>	—
<b>Subtotal fertilizers</b>	<b>175</b>	<b>138</b>	—	<b>25</b>	<b>12</b>	<b>12</b>	—	—
3110 nitrogenous fert.	175	138	—	25	12	12	—	—
<b>Subtotal other chemicals and related products</b>	<b>63</b>	<b>23</b>	<b>1</b>	—	<b>39</b>	<b>33</b>	<b>6</b>	—
3272 sulphuric acid	0	—	—	—	0	—	0	—
3273 ammonia	56	23	—	—	33	33	—	—
3274 sodium hydroxide	6	—	—	—	6	—	6	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	1	—	1	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>237</b>	—	<b>224</b>	—	<b>14</b>	—	<b>3</b>	<b>10</b>
<b>Subtotal forest products, wood and chips</b>	<b>210</b>	—	<b>207</b>	—	<b>3</b>	—	<b>3</b>	—
4161 wood chips	205	—	202	—	3	—	3	—
4170 wood in the rough	6	—	6	—	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—	—	—
<b>Subtotal marine shells</b>	<b>10</b>	—	—	—	<b>10</b>	—	—	<b>10</b>
4515 marine shells	10	—	—	—	10	—	—	10
<b>Subtotal sulphur, clay and salt</b>	<b>16</b>	—	<b>16</b>	—	—	—	—	—
4741 sulphur, (dry)	16	—	16	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>5</b>	<b>5</b>	<b>0</b>	—	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>5</b>	<b>5</b>	—	—	—	—	—	—
5360 i&s bars & shapes	5	5	—	—	—	—	—	—
<b>Total food and farm products</b>	<b>411</b>	<b>9</b>	<b>402</b>	—	—	—	—	—
<b>Subtotal fish</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	—
6134 fish (not shellfish)	0	—	0	—	—	—	—	—
<b>Subtotal grain</b>	<b>385</b>	<b>4</b>	<b>382</b>	—	—	—	—	—
6442 rice	385	4	382	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>20</b>	<b>0</b>	<b>20</b>	—	—	—	—	—
6590 oilseeds nec	20	0	20	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>5</b>	<b>5</b>	<b>0</b>	—	—	—	—	—
6782 animal feed, prep.	5	5	0	—	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>1</b>	—	<b>1</b>	—	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—	—
6885 alcoholic beverages	0	—	0	—	—	—	—	—
6899 farm products nec	0	—	0	—	—	—	—	—

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP CHANNEL AND THE PORT OF SACRAMENTO, CA)

Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Imports	Domestic			Internal Inbound Upbound		
		Imports	Exports		Total	Coastwise				
						Receipts	Shipments			
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	—	0	—	—	—	—	—		
7120 electrical machinery	0	—	0	—	—	—	—	—		
7600 rubber & plastic pr.	0	—	0	—	—	—	—	—		
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	0	—	—	—	—	—		
9900 unknown or nec	0	—	0	—	—	—	—	—		
Ton-miles (x1000)	78,613	15,026	56,851	2,118	4,618	3,921	697	0		
Tons All Traffic (x1000)			925							
Ton-miles All Traffic (x1000)			78,613							

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A Deepwater Ship Channel from Suisun Bay to the Inland Harbor at Sacramento, a distance of 43 miles; a triangular shaped deep draft harbor and turning basin located at West Sacramento; a 1.5 mile-long barge canal with navigation lock connecting the deep draft harbor with the Sacramento River. Controlling Depth: 29 feet. in the Deepwater Ship Channel and triangular shaped harbor and turning basin; 13 feet in the barge canal. Project Depth: 30 feet in the Deepwater Ship Channel and triangular shaped harbor and turning basin; 13 feet in the barge canal.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,359	1993	1,078	1996	1,240	1999	912
1991	1,197	1994	1,542	1997	1,143		
1992	1,136	1995	1,131	1998	925		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Imports	Domestic			Internal Inbound Upbound		
		Imports	Exports		Total	Coastwise				
						Receipts	Shipments			
<b>Total, all commodities</b>	<b>912</b>	<b>175</b>	<b>661</b>	<b>25</b>	<b>52</b>	<b>46</b>	<b>6</b>			
<b>Total petroleum and petroleum products</b>	<b>35</b>	—	35	—	—	—	—			
Subtotal petroleum products	35	—	35	—	—	—	—			
2429 naphtha & solvents	35	—	35	—	—	—	—			
<b>Total chemicals and related products</b>	<b>238</b>	<b>161</b>	<b>1</b>	<b>25</b>	<b>52</b>	<b>46</b>	<b>6</b>			
Subtotal fertilizers	175	138	—	25	12	12	—			
3110 nitrogenous fert.	175	138	—	25	12	12	—			
Subtotal other chemicals and related products	63	23	1	—	39	33	6			
3272 sulphuric acid	0	—	—	—	0	—	0			
3273 ammonia	56	23	—	—	33	33	—			
3274 sodium hydroxide	6	—	—	—	6	—	6			
3275 inorg. elem.,oxides, & halogen salts	0	—	0	—	—	—	—			
3276 metallic salts	1	—	1	—	—	—	—			
3286 plastics	0	—	0	—	—	—	—			
<b>Total crude materials, inedible except fuels</b>	<b>224</b>	—	<b>224</b>	—	—	—	—			
Subtotal forest products, wood and chips	207	—	207	—	—	—	—			
4161 wood chips	202	—	202	—	—	—	—			
4170 wood in the rough	6	—	6	—	—	—	—			
Subtotal pulp and waste paper	0	—	0	—	—	—	—			
4225 pulp & waste paper	0	—	0	—	—	—	—			
Subtotal sulphur, clay and salt	16	—	16	—	—	—	—			
4741 sulphur, (dry)	16	—	16	—	—	—	—			
<b>Total primary manufactured goods</b>	<b>5</b>	<b>5</b>	<b>0</b>	—	—	—	—			
Subtotal lime, cement and glass	0	—	0	—	—	—	—			
5240 glass & glass prod.	0	—	0	—	—	—	—			
Subtotal primary iron and steel products	5	5	—	—	—	—	—			
5360 i&s bars & shapes	5	5	—	—	—	—	—			
<b>Total food and farm products</b>	<b>411</b>	<b>9</b>	<b>402</b>	—	—	—	—			
Subtotal fish	0	—	0	—	—	—	—			
6134 fish (not shellfish)	0	—	0	—	—	—	—			
Subtotal grain	385	4	382	—	—	—	—			
6442 rice	385	4	382	—	—	—	—			
Subtotal oilseeds	20	0	20	—	—	—	—			
6590 oilseeds nec	20	0	20	—	—	—	—			
Subtotal vegetable products	0	—	0	—	—	—	—			
6654 vegetables & prod.	0	—	0	—	—	—	—			

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic		
		Imports	Exports		Total Receipts	Coastwise	
<b>Subtotal processed grain and animal feed</b>	<b>5</b>	<b>5</b>	<b>0</b>	—	—	—	—
6782 animal feed, prep.	5	5	0	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>1</b>	—	<b>1</b>	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—
6885 alcoholic beverages	0	—	0	—	—	—	—
6899 farm products nec	0	—	0	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
7120 electrical machinery	0	—	0	—	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
9900 unknown or nec	0	—	0	—	—	—	—
<b>Ton-miles (x1000)</b>	<b>37,391</b>	<b>7,163</b>	<b>27,103</b>	<b>1,010</b>	<b>2,115</b>	<b>1,869</b>	<b>245</b>
<b>Tons All Traffic (x1000)</b>		<b>912</b>					
<b>Ton-miles All Traffic (x1000)</b>		<b>37,391</b>					

SACRAMENTO, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A triangular shaped harbor and turning basin at Washington Lake, West Sacramento, adjacent to channel; a connecting barge canal to the Sacramento River shallow draft channel; thence upstream to a point approximately 6.6 miles upstream at Bryte. Controlling Depth: 29 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel. Project Depth: 30 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,485	1993	1,078	1996	1,240	1999	915
1991	1,226	1994	1,545	1997	1,143		
1992	1,136	1995	1,137	1998	925		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic		
		Imports	Exports		Total Receipts	Coastwise	
<b>Total, all commodities</b>	<b>915</b>	<b>175</b>	<b>661</b>	<b>25</b>	<b>55</b>	<b>46</b>	<b>9</b>
<b>Total petroleum and petroleum products</b>	<b>35</b>	—	<b>35</b>	—	—	—	—
<b>Subtotal petroleum products</b>	<b>35</b>	—	<b>35</b>	—	—	—	—
2429 naphtha & solvents	35	—	35	—	—	—	—
<b>Total chemicals and related products</b>	<b>238</b>	<b>161</b>	<b>1</b>	<b>25</b>	<b>52</b>	<b>46</b>	<b>6</b>
<b>Subtotal fertilizers</b>	<b>175</b>	<b>138</b>	—	<b>25</b>	<b>12</b>	<b>12</b>	—
3110 nitrogenous fert.	175	138	—	25	12	12	—
<b>Subtotal other chemicals and related products</b>	<b>63</b>	<b>23</b>	<b>1</b>	—	<b>39</b>	<b>33</b>	<b>6</b>
3272 sulphuric acid	0	—	—	—	0	—	0
3273 ammonia	56	23	—	—	33	33	—
3274 sodium hydroxide	6	—	—	—	6	—	6
3275 inorg. elem.,oxides, & halogen salts	0	—	0	—	—	—	—
3276 metallic salts	1	—	1	—	—	—	—
3286 plastics	0	—	0	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>227</b>	—	<b>224</b>	—	<b>3</b>	—	<b>3</b>
<b>Subtotal forest products, wood and chips</b>	<b>210</b>	—	<b>207</b>	—	<b>3</b>	—	<b>3</b>
4161 wood chips	205	—	202	—	3	—	3
4170 wood in the rough	6	—	6	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>16</b>	—	<b>16</b>	—	—	—	—
4741 sulphur, (dry)	16	—	16	—	—	—	—
<b>Total primary manufactured goods</b>	<b>5</b>	<b>5</b>	<b>0</b>	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>5</b>	<b>5</b>	—	—	—	—	—
5360 i&s bars & shapes	5	5	—	—	—	—	—
<b>Total food and farm products</b>	<b>411</b>	<b>9</b>	<b>402</b>	—	—	—	—
<b>Subtotal fish</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
6134 fish (not shellfish)	0	—	0	—	—	—	—

SACRAMENTO, CA (INCLUDED IN SACRAMENTO RIVER, CA)  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic		
		Imports	Exports		Total	Coastwise	
						Receipts	Shipments
<b>Subtotal grain</b>	<b>385</b>	<b>4</b>	<b>382</b>	—	—	—	—
6442 rice	385	4	382	—	—	—	—
<b>Subtotal oilseeds</b>	<b>20</b>	<b>0</b>	<b>20</b>	—	—	—	—
6590 oilseeds nec	20	0	20	—	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>5</b>	<b>5</b>	<b>0</b>	—	—	—	—
6782 animal feed, prep.	5	5	0	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>1</b>	—	<b>1</b>	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—
6885 alcoholic beverages	0	—	0	—	—	—	—
6899 farm products nec	0	—	0	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
7120 electrical machinery	0	—	0	—	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
9900 unknown or nec	0	—	0	—	—	—	—

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)

Section Included: From mouth of New York Slough to city of Stockton, 41 miles; from Stockton Channel to Hills Ferry, 84 miles. Controlling Depth: mouth of river to Mormon Channel, Stockton, 35 feet; other connecting channels, 2 feet to 9 feet; to Edison Street, 22 feet. Project Depth: 35 feet from the mouth of New York Slough to Mormon Channel at Stockton; 30 feet from Mormon Channel to Edison Street; other connecting channels, 9 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	3,491	1993	2,493	1996	2,716	<b>1999</b>	<b>3,051</b>
1991	3,345	1994	3,337	1997	3,292		
1992	3,530	1995	3,315	1998	3,325		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic			
		Imports*	Exports*		Total	Coastwise	Internal	
						Receipts	Inbound Upbound	
<b>Total, all commodities</b>	<b>3,051</b>	<b>1,732</b>	<b>924</b>	<b>211</b>	<b>184</b>	<b>90</b>	<b>93</b>	
<b>Total petroleum and petroleum products</b>	<b>746</b>	<b>27</b>	<b>696</b>	—	<b>23</b>	<b>23</b>	—	
<b>Subtotal petroleum products</b>	<b>746</b>	<b>27</b>	<b>696</b>	—	<b>23</b>	<b>23</b>	—	
2211 gasoline	18	12	—	—	6	6	—	
2330 distillate fuel oil	32	15	—	—	17	17	—	
2340 residual fuel oil	32	—	32	—	—	—	—	
2429 naphtha & solvents	14	—	14	—	—	—	—	
2540 petroleum coke	649	—	649	—	—	—	—	
<b>Total chemicals and related products</b>	<b>509</b>	<b>234</b>	<b>0</b>	<b>211</b>	<b>63</b>	<b>63</b>	—	
<b>Subtotal fertilizers</b>	<b>233</b>	<b>199</b>	—	—	<b>35</b>	<b>35</b>	—	
3110 nitrogenous fert.	231	196	—	—	35	35	—	
3130 potassic fert.	3	3	—	—	—	—	—	
3190 fert. & mixes nec	0	0	—	—	—	—	—	
<b>Subtotal other chemicals and related products</b>	<b>276</b>	<b>36</b>	<b>0</b>	<b>211</b>	<b>28</b>	<b>28</b>	—	
3230 carboxylic acids	0	—	0	—	—	—	—	
3273 ammonia	241	27	—	191	22	22	—	
3274 sodium hydroxide	26	—	—	20	6	6	—	
3275 inorg. elem., oxides, & halogen salts	1	1	—	—	—	—	—	
3276 metallic salts	8	8	—	—	—	—	—	
3292 starches, gluten, glue	0	—	—	—	—	—	—	
3293 explosives	0	—	0	—	—	—	—	
<b>Total crude materials, inedible except fuels</b>	<b>338</b>	<b>145</b>	<b>193</b>	—	—	—	—	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>145</b>	<b>145</b>	—	—	—	—	—	
4323 gypsum	145	145	—	—	—	—	—	
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	
4680 non-ferrous scrap	0	—	0	—	—	—	—	
<b>Subtotal sulphur, clay and salt</b>	<b>193</b>	—	<b>193</b>	—	—	—	—	
4741 sulphur, (dry)	193	—	193	—	—	—	—	
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	
4900 non-metal. min. nec	0	0	—	—	—	—	—	

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic			
		Imports*	Exports*		Total Receipts	Coastwise	Internal	
						Inbound	Upbound	
<b>Total primary manufactured goods</b>	<b>1,197</b>	<b>1,197</b>	—	—	—	—	—	
<b>Subtotal lime, cement and glass</b>	<b>398</b>	<b>398</b>	—	—	—	—	—	
5220 cement & concrete	398	398	—	—	—	—	—	
<b>Subtotal primary iron and steel products</b>	<b>798</b>	<b>798</b>	—	—	—	—	—	
5330 i&s plates & sheets	773	773	—	—	—	—	—	
5360 i&s bars & shapes	12	12	—	—	—	—	—	
5370 i&s pipe & tube	13	13	—	—	—	—	—	
<b>Subtotal primary wood products</b>	<b>1</b>	<b>1</b>	—	—	—	—	—	
5540 primary wood prod.	1	1	—	—	—	—	—	
<b>Total food and farm products</b>	<b>257</b>	<b>129</b>	<b>34</b>	—	<b>94</b>	<b>1</b>	<b>93</b>	
<b>Subtotal grain</b>	<b>28</b>	—	<b>28</b>	—	—	—	—	
6241 wheat	26	—	26	—	—	—	—	
6344 corn	3	—	3	—	—	—	—	
<b>Subtotal oilseeds</b>	<b>34</b>	<b>28</b>	<b>6</b>	—	—	—	—	
6590 oilseeds nec	34	28	6	—	—	—	—	
<b>Subtotal vegetable products</b>	<b>1</b>	<b>1</b>	—	—	—	—	—	
6653 vegetable oils	1	1	—	—	—	—	—	
<b>Subtotal other agricultural products</b>	<b>194</b>	<b>99</b>	<b>0</b>	—	<b>94</b>	<b>1</b>	<b>93</b>	
6817 meat, prepared	0	—	0	—	—	—	—	
6857 fruit & nuts nec	0	—	0	—	—	—	—	
6865 molasses	193	99	—	—	94	1	93	
<b>Total all manufactured equipment, machinery and products</b>	<b>4</b>	<b>0</b>	<b>1</b>	—	<b>3</b>	<b>3</b>	—	
7110 machinery (not elec)	0	—	0	—	—	—	—	
7210 vehicles & parts	1	—	1	—	—	—	—	
7230 ships & boats	0	—	0	—	—	—	—	
7300 ordnance & access.	0	—	0	—	—	—	—	
7400 manufac. wood prod.	0	0	—	—	—	—	—	
7800 empty containers	3	—	—	—	3	3	—	
7900 manufac. prod. nec	0	0	—	—	—	—	—	
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	
9900 unknown or nec	0	—	0	—	—	—	—	
<b>Ton-miles (x1000)</b>	<b>57,283</b>	<b>33,425</b>	<b>10,622</b>	<b>6,724</b>	<b>6,513</b>	<b>2,586</b>	<b>3,926</b>	
<b>Tons All Traffic (x1000)</b>	<b>3,051</b>							
<b>Ton-miles All Traffic (x1000)</b>	<b>57,283</b>							

\*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 31 (x1000) tons of foreign outbound in-transits.

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)

Section Included: Harbor at Stockton (and vicinity). Controlling Depth: 35 feet in Stockton Channel up to mouth of Mormon Channel; 8 feet in Mormon Channel; 8 feet in Fremont Channel, McLeod Lake and in the head of Stockton Channel. Project Depth: (Included in San Joaquin River project).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,732	1993	1,103	1996	1,143	<b>1999</b>	<b>1,315</b>
1991	1,491	1994	1,609	1997	1,647		
1992	1,719	1995	1,320	1998	1,339		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic			
		Imports*	Exports*		Total Receipts	Coastwise	Internal	
						Inbound	Upbound	
<b>Total, all commodities</b>	<b>1,315</b>	<b>765</b>	<b>237</b>	<b>159</b>	<b>154</b>	<b>61</b>	<b>93</b>	
<b>Total petroleum and petroleum products</b>	<b>14</b>	—	<b>14</b>	—	—	—	—	
<b>Subtotal petroleum products</b>	<b>14</b>	—	<b>14</b>	—	—	—	—	
2429 naphtha & solvents	14	—	14	—	—	—	—	
<b>Total chemicals and related products</b>	<b>416</b>	<b>200</b>	—	<b>159</b>	<b>57</b>	<b>57</b>	—	
<b>Subtotal fertilizers</b>	<b>228</b>	<b>193</b>	—	—	<b>35</b>	<b>35</b>	—	
3110 nitrogenous fert.	228	193	—	—	35	35	—	
3130 potassic fert.	0	0	—	—	—	—	—	
3190 fert. & mixes nec	0	0	—	—	—	—	—	
<b>Subtotal other chemicals and related products</b>	<b>188</b>	<b>7</b>	—	<b>159</b>	<b>22</b>	<b>22</b>	—	
3273 ammonia	181	—	—	159	22	22	—	
3275 inorg. elem., oxides, & halogen salts	1	1	—	—	—	—	—	
3276 metallic salts	6	6	—	—	—	—	—	
3292 starches, gluten, glue	0	0	—	—	—	—	—	

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic		
		Imports*	Exports*		Total	Coastwise Receipts	Internal Receipts
<b>Total crude materials, inedible except fuels</b>	<b>194</b>	<b>0</b>	<b>193</b>	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
4680   non-ferrous scrap	0	—	0	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>193</b>	—	<b>193</b>	—	—	—	—
4741   sulphur, (dry)	193	—	193	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>0</b>	—	—	—	—	—
4900   non-metal. min. nec	0	0	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>437</b>	<b>437</b>	—	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>398</b>	<b>398</b>	—	—	—	—	—
5220   cement & concrete	398	398	—	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>38</b>	<b>38</b>	—	—	—	—	—
5330   i&s plates & sheets	13	13	—	—	—	—	—
5360   i&s bars & shapes	12	12	—	—	—	—	—
5370   i&s pipe & tube	13	13	—	—	—	—	—
<b>Subtotal primary wood products</b>	<b>1</b>	<b>1</b>	—	—	—	—	—
5540   primary wood prod.	1	1	—	—	—	—	—
<b>Total food and farm products</b>	<b>250</b>	<b>128</b>	<b>29</b>	—	<b>94</b>	<b>1</b>	<b>93</b>
<b>Subtotal grain</b>	<b>28</b>	—	<b>28</b>	—	—	—	—
6241   wheat	26	—	26	—	—	—	—
6344   corn	3	—	3	—	—	—	—
<b>Subtotal oilseeds</b>	<b>28</b>	<b>28</b>	—	—	—	—	—
6590   oilseeds nec	28	28	—	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>194</b>	<b>99</b>	<b>0</b>	—	<b>94</b>	<b>1</b>	<b>93</b>
6817   meat, prepared	0	—	0	—	—	—	—
6857   fruit & nuts nec	0	—	0	—	—	—	—
6865   molasses	193	99	—	—	94	1	93
<b>Total all manufactured equipment, machinery and products</b>	<b>4</b>	<b>0</b>	<b>1</b>	—	<b>3</b>	<b>3</b>	—
7210   vehicles & parts	1	—	1	—	—	—	—
7230   ships & boats	0	—	0	—	—	—	—
7400   manufac. wood prod.	0	0	—	—	—	—	—
7800   empty containers	3	—	—	—	3	3	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
9900   unknown or nec	0	—	0	—	—	—	—

\*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 31 (x1000) tons of foreign outbound in-transits.

## Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
MIDDLE RIVER, CA	No Commerce Reported	
MOKELUMNE RIVER, CA	No Commerce Reported	
OLD RIVER, CA	No Commerce Reported	

## TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS, CA

 Freight Traffic, 1999  
 (thousand short tons)

Locality	Foreign/Canadian		Domestic				Total	Percent	Through*		
	Imports	Exports	Coastwise		Internal				Traffic		
			Receipts	Shipmnts	Receipts	Intraport					
ALVISO SLOUGH, CA	—	—	—	—	—	—	—	0.00	—		
BERKELEY, CA	—	—	—	—	—	—	—	0.00	—		
CARQUINEZ STRAIT, CA	2,179	1,283	4,659	661	2,956	82	11,821	18.71	5,567		
COYOTE HILL SLOUGH, CA	—	—	—	—	—	—	—	0.00	—		
NAPA RIVER, CA	—	—	—	—	49	—	49	0.08	—		
NEWARK SLOUGH, CA	—	—	—	—	—	—	—	0.00	—		
OAKLAND HARBOR, CA	3,746	5,412	392	1,221	968	—	11,739	18.58	—		
OTHER SAN FRANCISCO BAY AREA PORTS, CA	—	—	2,502	—	3,970	138	6,610	10.46	—		
PETALUMA RIVER, CA	—	—	—	—	326	—	326	0.52	—		
REDWOOD CITY HARBOR, CA	477	162	6	77	14	—	736	1.16	—		
RICHMOND HARBOR, CA	9,049	2,214	6,747	2,864	1,061	420	22,356	35.38	—		
SACRAMENTO RIVER, CA	199	661	46	9	10	—	925	1.46	—		
SAN FRANCISCO HARBOR, CA	869	288	19	—	756	1	1,933	3.06	—		
SAN JOAQUIN RIVER, CA**	1,944	924	90	—	93	—	3,051	4.83	—		
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	787	206	71	150	682	0	1,896	3.00	16,716		
SAN RAFAEL CREEK, CA	—	—	—	—	0	—	0	0.00	—		
SUISUN BAY CHANNEL, CA	397	89	63	200	1,002	—	1,751	2.77	3,977		
SUISUN CHANNEL, CA	—	—	—	—	—	—	—	0.00	—		
TOTAL (UNADJUSTED)	19,648	11,239	14,596	5,182	11,889	640	63,195	—	26,260		
PERCENT (UNADJUSTED)	31.09	17.79	23.10	8.20	18.81	1.01	—	100.00	—		
NET VOLUME OF TONNAGE FOR THE AREA***	19,648	11,239	14,596	5,182	5,944	640	57,250	—	—		
PERCENT (ADJUSTED)	34.32	19.63	25.50	9.05	10.38	1.12	—	100.00	—		

\* Not included in the tonnage of the Bay and Delta Areas.

\*\* Tributaries to San Joaquin River include Mokelumne Middle, and Old River.

\*\*\* Adjusted to net volume by excluding duplication of internal traffic moved between ports and waterways of the San Francisco Bay and Delta Areas.

## SAN FRANCISCO BAY ENTRANCE, CA

Section Included: Main ship channel. Controlling Depth: Main ship channel, 55.0 feet. Project Depth: Main ship channel, 55 feet.

## Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	61,599	1993	65,727	1996	59,850	1999	50,666
1991	61,150	1994	67,220	1997	53,698		
1992	67,119	1995	61,356	1998	49,929		

## Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	Upbound
<b>Total, all commodities</b>	<b>50,666</b>	<b>18,984</b>	<b>11,227</b>	<b>663</b>	<b>13</b>	<b>19,779</b>	<b>14,596</b>	<b>5,182</b>
<b>Total coal</b>	<b>50</b>	<b>44</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
1100 coal lignite	6	0	5	—	—	—	—	—
1200 coal coke	44	44	—	—	—	—	—	—
<b>Total petroleum and petroleum products</b>	<b>32,078</b>	<b>10,265</b>	<b>4,400</b>	<b>120</b>	<b>—</b>	<b>17,293</b>	<b>13,469</b>	<b>3,824</b>
<b>Subtotal crude petroleum</b>	<b>17,794</b>	<b>7,049</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>10,745</b>	<b>10,726</b>	<b>20</b>
2100 crude petroleum	17,794	7,049	—	—	—	10,745	10,726	20
<b>Subtotal petroleum products</b>	<b>14,283</b>	<b>3,216</b>	<b>4,400</b>	<b>120</b>	<b>—</b>	<b>6,548</b>	<b>2,744</b>	<b>3,804</b>
2211 gasoline	3,660	439	24	—	—	3,197	1,397	1,801
2221 kerosene	1,015	897	7	68	—	42	42	—
2330 distillate fuel oil	2,362	465	159	39	—	1,699	915	784
2340 residual fuel oil	3,289	123	2,031	7	—	1,129	350	779
2350 lube oil & greases	513	0	112	—	—	401	16	385
2410 petro. jelly & waxes	48	46	0	—	—	1	1	—
2429 naptha & solvents	2,276	1,207	1,042	6	—	21	19	2
2430 asphalt, tar & pitch	149	31	64	—	—	54	4	50
2540 petroleum coke	967	7	960	—	—	—	—	—
2640 liquid natural gas	1	—	0	—	—	0	0	0
2990 petro. products nec	4	—	—	—	—	4	0	4

SAN FRANCISCO BAY ENTRANCE, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	Upbound
<b>Total chemicals and related products</b>	<b>3,093</b>	<b>1,543</b>	<b>556</b>	<b>470</b>	<b>8</b>	<b>515</b>	<b>403</b>	<b>112</b>
<b>Subtotal fertilizers</b>	<b>557</b>	<b>446</b>	<b>15</b>	<b>25</b>	<b>—</b>	<b>70</b>	<b>52</b>	<b>18</b>
3110 nitrogenous fert.	502	423	2	25	—	52	52	—
3120 phosphatic fert.	0	—	0	—	—	—	—	—
3130 potassic fert.	3	3	0	—	—	—	—	—
3190 fert. & mixes nec	52	21	13	—	—	18	0	18
<b>Subtotal other chemicals and related products</b>	<b>2,536</b>	<b>1,096</b>	<b>541</b>	<b>446</b>	<b>8</b>	<b>445</b>	<b>351</b>	<b>94</b>
3211 acyclic hydrocarbons	31	0	11	—	—	20	—	20
3212 benzene & toluene	27	7	0	—	—	19	—	19
3219 other hydrocarbons	12	5	6	—	—	1	1	—
3220 alcohols	79	2	6	68	—	3	0	2
3230 carboxylic acids	19	9	6	—	—	4	1	3
3240 nitrogen func. comp.	20	4	16	—	—	—	—	—
3250 organo - inorg. comp.	8	3	5	—	—	0	0	—
3260 organic comp. nec	1,026	853	6	166	—	1	1	0
3271 sulphur (liquid)	1	—	1	—	—	—	—	—
3272 sulphuric acid	3	1	2	—	—	0	—	0
3273 ammonia	445	51	147	191	—	55	55	—
3274 sodium hydroxide	187	34	4	20	—	129	123	6
3275 inorg. elem.,oxides, & halogen salts	66	8	14	—	—	44	40	4
3276 metallic salts	43	15	11	—	8	9	—	9
3279 inorganic chem. nec	5	4	1	—	—	—	—	—
3281 radioactive material	2	1	2	—	—	0	0	0
3282 pigments & paints	22	3	16	—	—	4	0	4
3283 coloring mat. nec	4	1	3	—	—	0	—	—
3284 medicines	7	2	4	—	—	1	0	1
3285 perfumes & cleansers	58	3	39	—	0	16	0	16
3286 plastics	158	45	106	—	—	6	3	3
3291 pesticides	5	2	2	—	—	1	—	1
3292 starches, gluten, glue	42	25	16	0	—	0	0	—
3293 explosives	2	1	0	—	—	0	—	0
3297 chemical additives	193	0	69	—	—	123	117	6
3298 wood & resin chem.	7	0	0	—	—	6	6	0
3299 chem. products nec	66	14	48	—	0	3	2	1
<b>Total crude materials, inedible except fuels</b>	<b>3,632</b>	<b>1,223</b>	<b>2,212</b>	<b>72</b>	<b>2</b>	<b>123</b>	<b>16</b>	<b>107</b>
<b>Subtotal forest products, wood and chips</b>	<b>462</b>	<b>150</b>	<b>288</b>	<b>0</b>	<b>2</b>	<b>22</b>	<b>4</b>	<b>19</b>
4110 rubber & gums	3	2	0	—	—	—	—	—
4150 fuel wood	3	2	1	—	—	0	—	0
4161 wood chips	230	0	225	—	2	3	—	3
4170 wood in the rough	26	3	23	—	—	0	0	—
4189 lumber	185	134	33	0	—	18	3	15
4190 forest products nec	16	9	6	0	—	1	0	0
<b>Subtotal pulp and waste paper</b>	<b>740</b>	<b>1</b>	<b>735</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>0</b>
4225 pulp & waste paper	740	1	735	—	—	4	4	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,045</b>	<b>967</b>	<b>5</b>	<b>72</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>1</b>
4310 building stone	8	8	0	0	—	—	—	—
4322 limestone	56	—	0	56	—	—	—	—
4323 gypsum	877	875	1	—	—	0	0	—
4331 sand & gravel	104	84	4	17	—	0	—	0
4338 soil & fill dirt	1	—	—	—	—	1	0	1
<b>Subtotal iron ore and scrap</b>	<b>786</b>	<b>1</b>	<b>777</b>	<b>—</b>	<b>—</b>	<b>8</b>	<b>2</b>	<b>6</b>
4410 iron ore	0	—	0	—	—	—	—	—
4420 iron & steel scrap	785	1	777	—	—	8	2	6
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>
4515 marine shells	0	0	0	—	—	0	0	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>179</b>	<b>99</b>	<b>79</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>
4630 copper ore	0	0	0	—	—	—	—	—
4650 aluminum ore	101	97	5	—	—	—	—	—
4680 non-ferrous scrap	76	1	74	—	—	0	0	—
4690 non-ferrous ores nec	1	1	0	—	—	0	—	0
<b>Subtotal sulphur, clay and salt</b>	<b>220</b>	<b>1</b>	<b>218</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>1</b>
4741 sulphur, (dry)	211	0	211	—	—	—	—	—
4782 clay & refrac. mat.	9	1	7	—	—	1	0	1
<b>Subtotal slag</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>6</b>	<b>—</b>
4860 slag	7	0	1	—	—	6	6	—
<b>Subtotal other non-metal. min.</b>	<b>192</b>	<b>3</b>	<b>108</b>	<b>—</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>80</b>
4900 non-metal. min. nec	192	3	108	—	0	80	0	80
<b>Total primary manufactured goods</b>	<b>2,990</b>	<b>2,743</b>	<b>192</b>	<b>0</b>	<b>—</b>	<b>56</b>	<b>4</b>	<b>51</b>
<b>Subtotal paper products</b>	<b>265</b>	<b>184</b>	<b>67</b>	<b>0</b>	<b>—</b>	<b>15</b>	<b>1</b>	<b>14</b>
5110 newsprint	126	126	0	—	—	0	0	0
5120 paper & paperboard	85	41	39	—	—	4	0	4

SAN FRANCISCO BAY ENTRANCE, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	Upbound
							Upbound	Downbnd
5190 paper products nec	54	16	27	0	—	10	0	10
<b>Subtotal lime, cement and glass</b>	<b>1,118</b>	<b>1,049</b>	<b>57</b>	<b>0</b>	<b>—</b>	<b>13</b>	<b>1</b>	<b>12</b>
5220 cement & concrete	830	827	2	—	—	1	0	1
5240 glass & glass prod.	105	68	36	—	—	1	—	1
5290 misc. mineral prod.	183	154	19	0	—	11	1	10
<b>Subtotal primary iron and steel products</b>	<b>1,313</b>	<b>1,294</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>0</b>	<b>2</b>
5312 pig iron	1	0	1	—	—	0	—	0
5315 ferro alloys	2	0	1	—	—	—	—	—
5320 i&s primary forms	1	0	1	—	—	—	—	—
5330 i&s plates & sheets	1,063	1,055	8	—	—	0	0	—
5360 i&s bars & shapes	153	150	1	—	—	3	0	2
5370 i&s pipe & tube	85	82	3	—	—	0	—	0
5390 primary i&s nec	7	7	0	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>269</b>	<b>202</b>	<b>45</b>	<b>0</b>	<b>—</b>	<b>22</b>	<b>2</b>	<b>21</b>
5421 copper	7	4	2	—	—	0	0	—
5422 aluminum	13	8	5	0	—	—	—	—
5429 smelted prod. nec	12	3	9	—	—	0	0	0
5480 fab. metal products	238	187	28	0	—	22	2	21
<b>Subtotal primary wood products</b>	<b>24</b>	<b>14</b>	<b>7</b>	<b>0</b>	<b>—</b>	<b>3</b>	<b>0</b>	<b>3</b>
5540 primary wood prod.	24	14	7	0	—	3	0	3
<b>Total food and farm products</b>	<b>6,234</b>	<b>1,740</b>	<b>3,427</b>	<b>1</b>	<b>2</b>	<b>1,064</b>	<b>542</b>	<b>522</b>
<b>Subtotal fish</b>	<b>47</b>	<b>10</b>	<b>34</b>	<b>—</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
6134 fish (not shellfish)	29	6	21	—	0	2	0	2
6136 shellfish	18	4	14	—	0	0	0	—
<b>Subtotal grain</b>	<b>706</b>	<b>66</b>	<b>599</b>	<b>—</b>	<b>—</b>	<b>41</b>	<b>—</b>	<b>41</b>
6241 wheat	28	—	28	—	—	—	—	—
6344 corn	14	0	14	—	—	—	—	—
6442 rice	664	66	557	—	—	41	—	41
6443 barley & rye	0	0	0	—	—	—	—	—
6445 oats	0	—	0	—	—	—	—	—
6447 sorghum grains	0	—	0	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>254</b>	<b>176</b>	<b>77</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
6521 peanuts	0	—	0	—	—	—	—	—
6522 soybeans	30	1	29	—	—	—	—	—
6534 flaxseed	0	—	0	—	—	0	—	0
6590 oilseeds nec	224	176	48	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>734</b>	<b>302</b>	<b>399</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>3</b>	<b>29</b>
6653 vegetable oils	257	206	50	—	—	0	—	0
6654 vegetables & prod.	477	96	349	0	0	32	3	29
<b>Subtotal processed grain and animal feed</b>	<b>460</b>	<b>36</b>	<b>400</b>	<b>—</b>	<b>1</b>	<b>22</b>	<b>2</b>	<b>21</b>
6746 wheat flour	10	1	4	—	—	5	0	4
6747 grain mill products	61	15	46	—	—	0	0	0
6781 hay & fodder	199	0	198	—	—	1	0	0
6782 animal feed, prep.	189	20	152	—	1	17	1	15
<b>Subtotal other agricultural products</b>	<b>4,033</b>	<b>1,148</b>	<b>1,916</b>	<b>1</b>	<b>1</b>	<b>967</b>	<b>537</b>	<b>430</b>
6811 meat, fresh, frozen	630	56	511	0	0	63	2	62
6817 meat, prepared	34	1	29	—	—	3	—	3
6822 dairy products	97	12	51	0	—	34	0	34
6835 fish, prepared	15	12	4	—	—	—	—	—
6838 tallow, animal oils	39	0	39	—	—	—	—	—
6839 animals & prod. nec	174	6	155	—	1	13	9	4
6856 bananas & plantains	1	0	0	—	—	1	—	1
6857 fruit & nuts nec	511	13	458	0	0	39	1	38
6858 fruit juices	255	128	86	0	0	41	41	0
6861 sugar	812	472	0	—	—	340	339	1
6865 molasses	231	99	0	—	—	132	132	—
6871 coffee	81	72	5	—	—	4	2	2
6872 cocoa beans	20	20	0	—	—	—	—	—
6885 alcoholic beverages	491	181	254	0	0	56	0	55
6887 groceries	74	—	—	—	—	74	0	74
6888 water & ice	42	17	25	—	—	—	—	—
6889 food products nec	341	48	148	—	—	145	9	135
6891 tobacco & products	73	2	70	0	—	1	1	0
6893 cotton	69	0	69	—	—	—	—	—
6894 natural fibers nec	1	1	0	—	—	0	—	0
6899 farm products nec	40	7	12	0	—	21	2	19
<b>Total all manufactured equipment, machinery and products</b>	<b>2,522</b>	<b>1,410</b>	<b>396</b>	<b>0</b>	<b>0</b>	<b>717</b>	<b>156</b>	<b>561</b>
7110 machinery (not elec)	345	196	97	0	0	51	19	32
7120 electrical machinery	466	403	60	0	0	3	0	3
7210 vehicles & parts	357	177	71	—	0	108	29	79
7220 aircraft & parts	1	0	1	—	—	0	0	0
7230 ships & boats	2	1	1	—	—	0	0	0
7300 ordnance & access.	5	0	4	—	—	0	0	0

SAN FRANCISCO BAY ENTRANCE, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound	Downbnd	Upbound	Downbnd		Through	Upbound
7400 manufac. wood prod.	72	37	30	—	—	5	1	4
7500 textile products	163	109	21	0	0	33	9	24
7600 rubber & plastic pr.	116	88	24	—	0	4	1	4
7800 empty containers	3	—	—	—	—	3	3	—
7900 manufac. prod. nec	991	397	85	0	0	508	93	415
<b>Total unknown or not elsewhere classified</b>	<b>67</b>	<b>17</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>6</b>	<b>5</b>
9900 unknown or nec	67	17	38	0	0	11	6	5

SAN FRANCISCO HARBOR, CA

Section Included: From Fort Point to San Francisco Airport on the west side of the San Francisco Bay. Controlling Depth: Main ship channel, 55.0 feet; Presidio Shoal, 34.1 feet; Black Point Shoal, 35.5 feet; Rincon Reef Rock (inner), 41 feet; Rincon Reef (outer), 42.5 feet; Blossom Rock, 40 feet; Alcatraz Shoal, 34.5 feet; Arch Rock, 36.2 feet; Harding Rocks, 36.7 feet; Shag Rocks 1 and 2, 36.9 feet; Point Knox Shoal, 38.2 feet, Islais Creek Shoal, 38.2 feet; channel and basin at San Francisco Airport, 6.8 feet in the maintained 200-foot wide southerly portion; 8 feet in the maintained portion of turning basin, 8.6 feet to seaplane ramp. Project Depth: 55 feet in entrance channel across the bar; 40 feet across Presidio Shoal, Black Point Shoal, Blossom Rock, Rincon Reef Rock, and a portion of Alcatraz Shoal; 37 feet across Arch, Shag, and Harding Rocks; 35 feet across Raccoon Shoal, and the western part of Point Knox Shoal; 35 feet across Islais Creek Shoal; 10 feet to the San Francisco Airport.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	2,297	1993	2,340	1996	1,982	<b>1999</b>	<b>1,933</b>
1991	2,898	1994	1,739	1997	1,003		
1992	3,198	1995	1,330	1998	1,330		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Exports*	Canadian		Domestic		
		Imports*	Exports*			Total	Coastwise Receipts	Receipts	Internal Shipments
<b>Total, all commodities</b>	<b>1,933</b>	<b>869</b>	<b>287</b>	<b>1</b>		<b>776</b>	<b>19</b>	<b>752</b>	<b>4</b>
<b>Total petroleum and petroleum products</b>	<b>371</b>	<b>173</b>	<b>148</b>	<b>—</b>		<b>49</b>	<b>19</b>	<b>30</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>113</b>	<b>113</b>	<b>—</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	113	113	—	—		—	—	—	—
<b>Subtotal petroleum products</b>	<b>259</b>	<b>61</b>	<b>148</b>	<b>—</b>		<b>49</b>	<b>19</b>	<b>30</b>	<b>—</b>
2211 gasoline	19	—	—	—		19	19	—	—
2221 kerosene	35	35	0	—		—	—	—	—
2330 distillate fuel oil	22	6	—	—		16	—	16	—
2340 residual fuel oil	34	20	—	—		14	—	14	—
2350 lube oil & greases	0	—	0	—		—	—	—	—
2410 petro. jelly & waxes	0	0	0	—		—	—	—	—
2429 naphtha & solvents	141	—	141	—		—	—	—	—
2430 asphalt, tar & pitch	7	—	7	—		—	—	—	—
2540 petroleum coke	0	0	0	—		—	—	—	—
<b>Total chemicals and related products</b>	<b>67</b>	<b>60</b>	<b>7</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	0	—	0	—		—	—	—	—
3130 potassic fert.	0	—	0	—		—	—	—	—
3190 fert. & mixes nec	1	0	1	—		—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>65</b>	<b>60</b>	<b>5</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
3211 acyclic hydrocarbons	0	—	0	—		—	—	—	—
3219 other hydrocarbons	0	0	0	—		—	—	—	—
3220 alcohols	1	0	1	—		—	—	—	—

SAN FRANCISCO HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian Exports*	Domestic			
		Imports*	Exports*		Total	Coastwise Receipts	Receipts	Internal Shipments
3230 carboxylic acids	2	0	2	—	—	—	—	—
3240 nitrogen func. comp.	0	0	—	—	—	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—	—
3260 organic comp. nec	54	54	0	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	0	—	—	—	—	—
3276 metallic salts	1	1	0	—	—	—	—	—
3282 pigments & paints	0	0	0	—	—	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—	—	—
3284 medicines	0	0	0	—	—	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—	—	—
3286 plastics	1	0	0	—	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—	—
3292 starches, gluten, glue	3	3	0	—	—	—	—	—
3293 explosives	0	—	0	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—
3299 chem. products nec	2	1	1	—	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>820</b>	<b>98</b>	<b>16</b>	<b>—</b>	<b>706</b>	<b>0</b>	<b>701</b>	<b>4</b>
Subtotal forest products, wood and chips	67	59	0	—	8	—	3	4
4150 fuel wood	0	—	0	—	—	—	—	—
4161 wood chips	0	—	0	—	—	—	—	—
4170 wood in the rough	9	1	—	—	8	—	3	4
4189 lumber	57	57	0	—	—	—	—	—
4190 forest products nec	0	0	0	—	—	—	—	—
Subtotal pulp and waste paper	8	1	7	—	—	—	—	—
4225 pulp & waste paper	8	1	7	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	698	0	0	—	698	—	698	—
4310 building stone	0	0	0	—	—	—	—	—
4331 sand & gravel	698	0	0	—	698	—	698	—
Subtotal iron ore and scrap	5	—	5	—	—	—	—	—
4420 iron & steel scrap	5	—	5	—	—	—	—	—
Subtotal marine shells	0	0	0	—	—	—	—	—
4515 marine shells	0	0	0	—	—	—	—	—
Subtotal non-ferrous ores and scrap	38	38	0	—	0	0	—	—
4650 aluminum ore	38	38	—	—	—	—	—	—
4680 non-ferrous scrap	0	0	0	—	0	0	—	—
4690 non-ferrous ores nec	0	0	—	—	—	—	—	—
Subtotal sulphur, clay and salt	0	—	0	—	—	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—	—	—
Subtotal slag	0	0	—	—	—	—	—	—
4860 slag	0	0	—	—	—	—	—	—
Subtotal other non-metal. min.	3	—	3	—	—	—	—	—
4900 non-metal. min. nec	3	—	3	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>351</b>	<b>327</b>	<b>3</b>	<b>—</b>	<b>21</b>	<b>—</b>	<b>21</b>	<b>—</b>
Subtotal paper products	4	3	1	—	—	—	—	—
5110 newsprint	3	3	—	—	—	—	—	—

SAN FRANCISCO HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian Exports*	Domestic		Internal Shipments		
		Imports*	Exports*		Total Receipts	Coastwise Receipts	Receipts	Intraport	
5120 paper & paperboard	1	0	0	—	—	—	—	—	—
5190 paper products nec	1	0	1	—	—	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>295</b>	<b>273</b>	<b>1</b>	—	<b>21</b>	—	<b>21</b>	—	—
5220 cement & concrete	259	259	0	—	—	—	—	—	—
5240 glass & glass prod.	3	2	1	—	—	—	—	—	—
5290 misc. mineral prod.	33	12	0	—	21	—	21	—	—
<b>Subtotal primary iron and steel products</b>	<b>45</b>	<b>45</b>	<b>0</b>	—	—	—	—	—	—
5312 pig iron	0	0	—	—	—	—	—	—	—
5315 ferro alloys	0	0	—	—	—	—	—	—	—
5320 i&s primary forms	0	0	—	—	—	—	—	—	—
5330 i&s plates & sheets	33	33	—	—	—	—	—	—	—
5360 i&s bars & shapes	5	5	0	—	—	—	—	—	—
5370 i&s pipe & tube	7	7	0	—	—	—	—	—	—
5390 primary i&s nec	0	0	—	—	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>5</b>	<b>4</b>	<b>1</b>	—	—	—	—	—	—
5421 copper	1	1	0	—	—	—	—	—	—
5422 aluminum	0	0	0	—	—	—	—	—	—
5429 smelted prod. nec	1	1	0	—	—	—	—	—	—
5480 fab. metal products	3	2	0	—	—	—	—	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	<b>2</b>	<b>0</b>	—	—	—	—	—	—
5540 primary wood prod.	2	2	0	—	—	—	—	—	—
<b>Total food and farm products</b>	<b>280</b>	<b>180</b>	<b>99</b>	<b>1</b>	—	—	—	—	—
<b>Subtotal fish</b>	<b>9</b>	<b>2</b>	<b>6</b>	—	—	—	—	—	—
6134 fish (not shellfish)	8	2	6	—	—	—	—	—	—
6136 shellfish	1	1	0	—	—	—	—	—	—
<b>Subtotal grain</b>	<b>39</b>	<b>4</b>	<b>35</b>	—	—	—	—	—	—
6241 wheat	0	—	0	—	—	—	—	—	—
6344 corn	1	0	1	—	—	—	—	—	—
6442 rice	38	4	34	—	—	—	—	—	—
6443 barley & rye	0	0	—	—	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>21</b>	<b>20</b>	<b>1</b>	—	—	—	—	—	—
6590 oilseeds nec	21	20	1	—	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>47</b>	<b>29</b>	<b>19</b>	—	—	—	—	—	—
6653 vegetable oils	29	18	11	—	—	—	—	—	—
6654 vegetables & prod.	18	10	8	—	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>9</b>	<b>6</b>	<b>2</b>	<b>1</b>	—	—	—	—	—
6746 wheat flour	0	0	—	—	—	—	—	—	—
6747 grain mill products	1	0	0	—	—	—	—	—	—
6781 hay & fodder	0	—	0	—	—	—	—	—	—
6782 animal feed, prep.	8	6	1	1	—	—	—	—	—
<b>Subtotal other agricultur</b>	<b>156</b>	<b>119</b>	<b>37</b>	<b>0</b>	—	—	—	—	—
6811 meat, fresh, frozen	28	23	6	—	—	—	—	—	—
6817 meat, prepared	2	0	1	—	—	—	—	—	—
6822 dairy products	10	5	5	—	—	—	—	—	—
6835 fish, prepared	2	2	1	—	—	—	—	—	—
6838 tallow, animal oils	12	—	12	—	—	—	—	—	—
6839 animals & prod. nec	1	1	0	—	—	—	—	—	—

SAN FRANCISCO HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian Exports*	Domestic			
		Imports*	Exports*		Total	Coastwise Receipts	Receipts	Internal Shipments
6856 bananas & plantains	0	0	0	—	—	—	—	—
6857 fruit & nuts nec	6	4	3	—	—	—	—	—
6858 fruit juices	12	10	3	—	—	—	—	—
6861 sugar	23	23	—	—	—	—	—	—
6871 coffee	26	26	0	—	—	—	—	—
6872 cocoa beans	4	4	0	—	—	—	—	—
6885 alcoholic beverages	20	19	1	0	—	—	—	—
6888 water & ice	0	0	—	—	—	—	—	—
6889 food products nec	5	2	3	—	—	—	—	—
6891 tobacco & products	0	0	0	—	—	—	—	—
6893 cotton	2	0	2	—	—	—	—	—
6894 natural fibers nec	0	0	—	—	—	—	—	—
6899 farm products nec	1	1	1	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>39</b>	<b>28</b>	<b>10</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
7110 machinery (not elec)	10	8	2	—	—	—	—	—
7120 electrical machinery	4	3	2	—	—	—	—	—
7210 vehicles & parts	6	5	1	0	—	—	—	—
7220 aircraft & parts	0	—	0	—	—	—	—	—
7230 ships & boats	0	0	0	—	—	—	—	—
7300 ordnance & access.	2	0	2	—	—	—	—	—
7400 manufac. wood prod.	1	0	1	—	—	—	—	—
7500 textile products	1	1	0	—	—	—	—	—
7600 rubber & plastic pr.	6	5	1	—	—	—	—	—
7900 manufac. prod. nec	7	6	1	—	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	5	1	3	—	—	—	—	—

\*Includes 22 (x1000) tons of foreign inbound in-transits; Includes 29 (x1000) tons of foreign outbound in-transits;  
Includes 1 (x1000) tons of Canadian outbound in-transits.

REDWOOD CITY HARBOR, CA

Section Included: San Bruno Shoal channel 500 feet wide and about 4 miles long across; Redwood City Harbor channel, a channel from deep water in San Francisco Bay to Steinberger Slough. Controlling Depth: 30.8 feet in San Bruno Shoal channel; 29.8 feet in San Francisco Bay to Beacon No.8; 29.7 feet to Beacon No.15 and beginning of (outer) Turning Basin No.1; 29.5 feet in Turning Basin No.1; 29.5 feet in Turning Basin No.1; 28.5 feet to (upper) Turning Basin No.2; 29.1 in turning basin. Project Depth: 30 feet in San Bruno Shoal Channel; 30 feet to the head of the turning basin in Redwood Creek; 5 feet to Steinberger Slough, and 4 feet in Steinberger Slough.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	499	1993	1,829	1996	985	1999	736
1991	507	1994	846	1997	1,293		
1992	816	1995	754	1998	861		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Receipts
		Imports	Exports	Exports	Total	Coastwise	Shipments	
<b>Total, all commodities</b>	<b>736</b>	<b>477</b>	<b>154</b>	<b>8</b>	<b>97</b>	<b>6</b>	<b>77</b>	<b>14</b>
<b>Total chemicals and related products</b>	<b>8</b>	—	—	<b>8</b>	—	—	—	—
Subtotal other chemicals and related products	8	—	—	8	—	—	—	—
3276 metallic salts	8	—	—	8	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>596</b>	<b>345</b>	<b>154</b>	—	<b>97</b>	<b>6</b>	<b>77</b>	<b>14</b>
Subtotal soil, sand, gravel, rock and stone	360	345	—	—	14	—	—	14
4323 gypsum	345	345	—	—	—	—	—	—
4331 sand & gravel	14	—	—	—	14	—	—	14
<b>Subtotal iron ore and scrap</b>	<b>154</b>	—	<b>154</b>	—	—	—	—	—
4420 iron & steel scrap	154	—	154	—	—	—	—	—
<b>Subtotal slag</b>	<b>6</b>	—	—	—	<b>6</b>	<b>6</b>	—	—
4860 slag	6	—	—	—	6	6	—	—
<b>Subtotal other non-metal. min.</b>	<b>77</b>	—	—	—	<b>77</b>	—	<b>77</b>	—
4900 non-metal. min. nec	77	—	—	—	77	—	77	—
<b>Total primary manufactured goods</b>	<b>132</b>	<b>132</b>	—	—	—	—	—	—
Subtotal lime, cement and glass	129	129	—	—	—	—	—	—
5220 cement & concrete	129	129	—	—	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>2</b>	—	—	—	—	—	—
5330 i&s plates & sheets	2	2	—	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	—
7230 ships & boats	0	0	—	—	—	—	—	—

OAKLAND HARBOR, CA

Section Included: Outer and inner harbor from deep water in San Francisco Bay to San Leandro Bay, a distance of 8.5 miles. Controlling Depth: 37.1 feet in the entrance channel of the outer harbor to Bart Tube; 34.5 to Albers Mill; 34.7 to Shed 5; 34.8 feet in the entrance channel to the inner harbor; 34.4 feet in inner harbor to foot of Ferro Street; 34.2 feet to Posey Tube; 34.0 feet at Posey; Tube; 34.5 feet to Fortmann Basin; 24.0 feet to Park Street Bridge; 15.3 feet in tidal canal to Fruitvale Avenue Bridge; 14.4 feet in tidal canal to San Leandro Bay; 7 feet in north channel of Brooklyn Basin. Project Depth: 35 feet in the entrance channel to the outer harbor; 35 feet in the outer harbor; 35 feet in the entrance channel to the inner harbor; 35 feet in the inner harbor to the Park Street bridge; 25 feet in the tidal canal to San Leandro Bay; 35 feet for a distance of 1,300 feet thence 25 feet in north channel of Brooklyn Basin (maintained 18 feet).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	10,290	1993	12,734	1996	11,230	1999	11,739
1991	10,356	1994	12,914	1997	10,858		
1992	13,211	1995	13,224	1998	11,148		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
<b>Total, all commodities</b>	<b>9,158</b>	<b>3,739</b>	<b>5,410</b>	<b>7</b>	<b>2</b>
<b>Total coal</b>	7	2	5	—	—
1100 coal lignite	6	0	5	—	—
1200 coal coke	1	1	—	—	—

OAKLAND HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
<b>Total petroleum and petroleum products</b>	<b>441</b>	<b>274</b>	<b>160</b>	<b>6</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>441</b>	<b>274</b>	<b>160</b>	<b>6</b>	<b>—</b>
2211 gasoline	32	32	0	—	—
2221 kerosene	57	56	0	—	—
2330 distillate fuel oil	0	—	0	—	—
2340 residual fuel oil	32	—	32	—	—
2350 lube oil & greases	19	0	18	—	—
2410 petro. jelly & waxes	17	17	0	—	—
2429 naphtha & solvents	213	169	38	6	—
2430 asphalt, tar & pitch	1	0	1	—	—
2540 petroleum coke	70	0	70	—	—
2640 liquid natural gas	0	—	0	—	—
<b>Total chemicals and related products</b>	<b>694</b>	<b>240</b>	<b>455</b>	<b>0</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>109</b>	<b>96</b>	<b>14</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	87	85	2	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	22	10	12	—	—
<b>Subtotal other chemicals and related products</b>	<b>585</b>	<b>144</b>	<b>441</b>	<b>0</b>	<b>0</b>
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	8	2	6	—	—
3220 alcohols	7	2	5	—	—
3230 carboxylic acids	14	9	4	—	—
3240 nitrogen func. comp.	20	4	16	—	—
3250 organo - inorg. comp.	8	3	5	—	—
3260 organic comp. nec	8	2	6	—	—
3271 sulphur (liquid)	1	—	1	—	—
3272 sulphuric acid	2	1	2	—	—
3273 ammonia	148	1	147	—	—
3274 sodium hydroxide	17	13	4	—	—
3275 inorg. elem.,oxides, & halogen salts	20	7	13	—	—
3276 metallic salts	16	6	9	—	—
3279 inorganic chem. nec	2	1	1	—	—
3281 radioactive material	2	1	2	—	—
3282 pigments & paints	18	3	15	—	—
3283 coloring mat. nec	4	1	3	—	—
3284 medicines	6	2	4	—	—
3285 perfumes & cleansers	41	3	39	—	0
3286 plastics	151	45	106	—	—
3291 pesticides	4	2	2	—	—
3292 starches, gluten, glue	38	23	16	0	—
3293 explosives	1	1	0	—	—
3297 chemical additives	6	0	6	—	—
3298 wood & resin chem.	0	0	0	—	—
3299 chem. products nec	40	11	29	—	0
<b>Total crude materials, inedible except fuels</b>	<b>1,707</b>	<b>242</b>	<b>1,464</b>	<b>0</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>151</b>	<b>89</b>	<b>62</b>	<b>0</b>	<b>—</b>
4110 rubber & gums	3	2	0	—	—
4150 fuel wood	3	2	1	—	—
4161 wood chips	4	0	4	—	—
4170 wood in the rough	19	1	18	—	—
4189 lumber	108	75	33	0	—
4190 forest products nec	15	9	6	0	—
<b>Subtotal pulp and waste paper</b>	<b>727</b>	<b>0</b>	<b>727</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	727	0	727	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>151</b>	<b>146</b>	<b>5</b>	<b>0</b>	<b>—</b>
4310 building stone	8	8	—	0	—
4322 limestone	0	—	0	—	—
4323 gypsum	56	54	1	—	—
4331 sand & gravel	87	84	4	—	—
<b>Subtotal iron ore and scrap</b>	<b>478</b>	<b>1</b>	<b>477</b>	<b>—</b>	<b>—</b>
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	477	1	477	—	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>81</b>	<b>2</b>	<b>79</b>	<b>—</b>	<b>—</b>
4630 copper ore	0	0	0	—	—
4650 aluminum ore	5	0	5	—	—
4680 non-ferrous scrap	76	1	74	—	—
4690 non-ferrous ores nec	1	1	0	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>10</b>	<b>1</b>	<b>9</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	2	0	2	—	—
4782 clay & refrac. mat.	7	1	7	—	—
<b>Subtotal slag</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>
4860 slag	1	0	1	—	—
<b>Subtotal other non-metal. min.</b>	<b>108</b>	<b>3</b>	<b>105</b>	<b>—</b>	<b>0</b>
4900 non-metal. min. nec	108	3	105	—	0
<b>Total primary manufactured goods</b>	<b>1,061</b>	<b>874</b>	<b>187</b>	<b>0</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>246</b>	<b>180</b>	<b>66</b>	<b>—</b>	<b>—</b>
5110 newsprint	124	123	0	—	—
5120 paper & paperboard	80	41	39	—	—
5190 paper products nec	43	16	27	—	—

OAKLAND HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
<b>Subtotal lime, cement and glass</b>	<b>263</b>	<b>208</b>	<b>55</b>	<b>0</b>	<b>—</b>
5220 cement & concrete	2	0	2	—	—
5240 glass & glass prod.	101	66	35	—	—
5290 misc. mineral prod.	160	141	18	0	—
<b>Subtotal primary iron and steel products</b>	<b>295</b>	<b>280</b>	<b>15</b>	<b>—</b>	<b>—</b>
5312 pig iron	1	0	1	—	—
5315 ferro alloys	2	0	1	—	—
5320 i&s primary forms	1	0	1	—	—
5330 i&s plates & sheets	174	166	8	—	—
5360 i&s bars & shapes	68	67	1	—	—
5370 i&s pipe & tube	42	40	2	—	—
5390 primary i&s nec	7	7	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>239</b>	<b>195</b>	<b>44</b>	<b>0</b>	<b>—</b>
5421 copper	6	3	2	—	—
5422 aluminum	13	8	5	0	—
5429 smelted prod. nec	11	2	9	—	—
5480 fab. metal products	209	182	28	0	—
<b>Subtotal primary wood products</b>	<b>18</b>	<b>11</b>	<b>7</b>	<b>0</b>	<b>—</b>
5540 primary wood prod.	18	11	7	0	—
<b>Total food and farm products</b>	<b>3,455</b>	<b>711</b>	<b>2,742</b>	<b>1</b>	<b>1</b>
<b>Subtotal fish</b>	<b>37</b>	<b>8</b>	<b>28</b>	<b>—</b>	<b>0</b>
6134 fish (not shellfish)	19	4	15	—	—
6136 shellfish	17	4	14	—	0
<b>Subtotal grain</b>	<b>142</b>	<b>59</b>	<b>84</b>	<b>—</b>	<b>—</b>
6241 wheat	2	—	2	—	—
6344 corn	11	0	11	—	—
6442 rice	129	58	71	—	—
6443 barley & rye	0	—	0	—	—
6445 oats	0	—	0	—	—
6447 sorghum grains	0	—	0	—	—
<b>Subtotal oilseeds</b>	<b>41</b>	<b>2</b>	<b>39</b>	<b>—</b>	<b>—</b>
6521 peanuts	0	—	0	—	—
6522 soybeans	30	1	29	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	11	1	10	—	—
<b>Subtotal vegetable products</b>	<b>446</b>	<b>99</b>	<b>347</b>	<b>0</b>	<b>0</b>
6653 vegetable oils	21	14	7	—	—
6654 vegetables & prod.	426	86	340	0	0
<b>Subtotal processed grain and animal feed</b>	<b>418</b>	<b>25</b>	<b>393</b>	<b>—</b>	<b>—</b>
6746 wheat flour	5	1	4	—	—
6747 grain mill products	60	15	45	—	—
6781 hay & fodder	194	0	194	—	—
6782 animal feed, prep.	159	9	150	—	—
<b>Subtotal other agricultural products</b>	<b>2,371</b>	<b>519</b>	<b>1,851</b>	<b>1</b>	<b>1</b>
6811 meat, fresh, frozen	539	33	506	0	0
6817 meat, prepared	29	1	28	—	—
6822 dairy products	53	7	46	0	—
6835 fish, prepared	13	10	3	—	—
6838 tallow, animal oils	4	0	4	—	—
6839 animals & prod. nec	159	5	154	—	1
6856 bananas & plantains	0	0	0	—	—
6857 fruit & nuts nec	465	9	455	0	0
6858 fruit juices	202	119	83	0	0
6861 sugar	39	39	0	—	—
6865 molasses	0	0	0	—	—
6871 coffee	51	46	5	—	—
6872 cocoa beans	16	16	0	—	—
6885 alcoholic beverages	413	162	251	0	—
6888 water & ice	42	16	25	—	—
6889 food products nec	190	46	144	—	—
6891 tobacco & products	70	2	69	0	—
6893 cotton	67	0	67	—	—
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	18	7	11	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1,742</b>	<b>1,380</b>	<b>362</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	283	189	95	0	0
7120 electrical machinery	458	400	58	0	0
7210 vehicles & parts	221	172	49	—	0
7220 aircraft & parts	1	0	1	—	—
7230 ships & boats	2	1	1	—	—
7300 ordnance & access.	1	0	0	—	—
7400 manufac. wood prod.	66	37	29	—	—
7500 textile products	129	108	21	0	0
7600 rubber & plastic pr.	105	82	23	—	0
7900 manufac. prod. nec	475	391	84	0	0
<b>Total unknown or not elsewhere classified</b>	<b>51</b>	<b>16</b>	<b>35</b>	<b>0</b>	<b>0</b>
9900 unknown or nec	51	16	35	0	0

OAKLAND HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
<b>Total, all commodities</b>	<b>2,581</b>	<b>392</b>	<b>1,221</b>	<b>875</b>	<b>93</b>
<b>Total petroleum and petroleum products</b>	<b>296</b>	<b>1</b>	<b>6</b>	<b>289</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	0	—	0	—	—
<b>Subtotal petroleum products</b>	<b>296</b>	<b>1</b>	<b>6</b>	<b>289</b>	<b>—</b>
2340 residual fuel oil	289	—	—	289	—
2350 lube oil & greases	2	0	2	—	—
2410 petro. jelly & waxes	1	1	—	—	—
2429 naphtha & solvents	0	—	0	—	—
2640 liquid natural gas	0	0	0	—	—
2990 petro. products nec	4	0	4	—	—
<b>Total chemicals and related products</b>	<b>65</b>	<b>16</b>	<b>49</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>—</b>	<b>—</b>
3190 fert. & mixes nec	18	0	18	—	—
<b>Subtotal other chemicals and related products</b>	<b>47</b>	<b>16</b>	<b>31</b>	<b>—</b>	<b>—</b>
3219 other hydrocarbons	1	1	—	—	—
3220 alcohols	0	0	—	—	—
3230 carboxylic acids	4	—	3	—	—
3250 organo - inorg. comp.	0	0	—	—	—
3260 organic comp. nec	1	1	0	—	—
3275 inorg. elem., oxides, & halogen salts	4	1	4	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	4	0	4	—	—
3283 coloring mat. nec	0	—	0	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	16	0	16	—	—
3286 plastics	6	3	3	—	—
3291 pesticides	1	—	1	—	—
3292 starches, gluten, glue	0	0	—	—	—
3293 explosives	0	—	0	—	—
3298 wood & resin chem.	6	6	0	—	—
3299 chem. products nec	3	2	1	—	—
<b>Total crude materials, inedible except fuels</b>	<b>619</b>	<b>10</b>	<b>26</b>	<b>583</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>19</b>	<b>4</b>	<b>15</b>	<b>—</b>	<b>—</b>
4150 fuel wood	0	—	0	—	—
4170 wood in the rough	0	0	—	—	—
4189 lumber	18	3	15	—	—
4190 forest products nec	1	0	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	4	4	0	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>584</b>	<b>0</b>	<b>1</b>	<b>583</b>	<b>—</b>
4323 gypsum	0	0	—	—	—
4331 sand & gravel	583	—	0	583	—
4338 soil & fill dirt	1	0	1	—	—
<b>Subtotal iron ore and scrap</b>	<b>8</b>	<b>2</b>	<b>6</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	8	2	6	—	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4680 non-ferrous scrap	0	0	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	0	0	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	3	0	3	—	—
<b>Total primary manufactured goods</b>	<b>59</b>	<b>4</b>	<b>51</b>	<b>3</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>15</b>	<b>1</b>	<b>14</b>	<b>—</b>	<b>—</b>
5110 newsprint	0	0	0	—	—
5120 paper & paperboard	4	0	4	—	—
5190 paper products nec	10	0	10	—	—
<b>Subtotal lime, cement and glass</b>	<b>16</b>	<b>1</b>	<b>12</b>	<b>3</b>	<b>—</b>
5220 cement & concrete	1	0	1	—	—
5240 glass & glass prod.	1	—	1	—	—
5290 misc. mineral prod.	14	1	10	3	—
<b>Subtotal primary iron and steel products</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>—</b>	<b>—</b>
5312 pig iron	0	—	0	—	—
5330 i&s plates & sheets	0	0	—	—	—
5360 i&s bars & shapes	3	0	2	—	—
5370 i&s pipe & tube	0	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>22</b>	<b>2</b>	<b>21</b>	<b>—</b>	<b>—</b>
5421 copper	0	0	—	—	—
5429 smelted prod. nec	0	0	0	—	—
5480 fab. metal products	22	2	21	—	—
<b>Subtotal primary wood products</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	3	0	3	—	—
<b>Total food and farm products</b>	<b>818</b>	<b>202</b>	<b>522</b>	<b>—</b>	<b>93</b>
<b>Subtotal fish</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	2	0	2	—	—
6136 shellfish	0	0	—	—	—

OAKLAND HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
<b>Subtotal grain</b>	<b>41</b>	—	41	—	—
6442 rice	41	—	41	—	—
<b>Subtotal oilseeds</b>	<b>0</b>	—	0	—	—
6534 flaxseed	0	—	0	—	—
<b>Subtotal vegetable products</b>	<b>32</b>	<b>3</b>	<b>29</b>	—	—
6653 vegetable oils	0	—	0	—	—
6654 vegetables & prod.	32	3	29	—	—
<b>Subtotal processed grain and animal feed</b>	<b>22</b>	<b>2</b>	<b>21</b>	—	—
6746 wheat flour	5	0	4	—	—
6747 grain mill products	0	0	0	—	—
6781 hay & fodder	1	0	0	—	—
6782 animal feed, prep.	17	1	15	—	—
<b>Subtotal other agricultural products</b>	<b>720</b>	<b>197</b>	<b>430</b>	<b>93</b>	—
6811 meat, fresh, frozen	63	2	62	—	—
6817 meat, prepared	3	—	3	—	—
6822 dairy products	34	0	34	—	—
6839 animals & prod. nec	13	9	4	—	—
6856 bananas & plantains	1	—	1	—	—
6857 fruit & nuts nec	39	1	38	—	—
6858 fruit juices	41	41	0	—	—
6861 sugar	1	0	1	—	—
6865 molasses	225	131	—	—	93
6871 coffee	4	2	2	—	—
6885 alcoholic beverages	56	0	55	—	—
6887 groceries	74	0	74	—	—
6889 food products nec	145	9	135	—	—
6891 tobacco & products	1	1	0	—	—
6894 natural fibers nec	0	—	0	—	—
6899 farm products nec	21	2	19	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>713</b>	<b>153</b>	<b>561</b>	—	—
7110 machinery (not elec)	51	19	32	—	—
7120 electrical machinery	3	0	3	—	—
7210 vehicles & parts	108	29	79	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	5	1	4	—	—
7500 textile products	33	9	24	—	—
7600 rubber & plastic pr.	4	1	4	—	—
7900 manufac. prod. nec	508	93	415	—	—
<b>Total unknown or not elsewhere classified</b>	<b>11</b>	<b>6</b>	<b>5</b>	—	—
9900 unknown or nec	11	6	5	—	—

\*Includes 32 (x1000) tons of foreign inbound in-transits; Includes 95 (x1000) tons of foreign outbound in-transits;  
Includes 0 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

RICHMOND HARBOR, CA

Section Included: Inner harbor, from southern end of Richmond Long Wharf maneuvering area to the head of Santa Fe Channel, a distance of about 5 miles; outer harbor, from southern end of maneuvering area at Richmond Long Wharf to Point San Pablo and the north side of Point San Pablo; includes a connecting channel (Southampton Channel) to the Richmond Long Wharf maneuvering area and approach areas at Point San Pablo and Point Orient. Controlling Depth: 45.7 feet in Southampton Channel (connecting channel from San Francisco Bay to Richmond Long Wharf maneuvering area); 44.7 feet in maneuvering area to Richmond Long Wharf; 34.8 feet from Richmond Long Wharf maneuvering area to turning basin Point Richmond; 34.8 feet in Point Richmond turning basin; 34.5 feet to Point Potrero; 34.0 feet in turning basin at Point Potrero; Point Potrero (southerly apex only) 28.7 feet; 34.7 feet to Lauritzen Canal then 30.4 feet in Santa Fe Channel to upper turning basin; 30.4 feet in upper turning basin; 27 feet in approach to Point Orient; 26 feet in approach to Point San Pablo; 30.6 feet at Molate Point; and 33.4 feet in West Richmond Channel. Project Depth: 45 feet in connecting channel (Southampton Channel) from San Francisco Bay to Richmond Long Wharf maneuvering area; 45 feet in maneuvering area to Richmond Long Wharf; 35 feet to turning basin at Point Richmond; 35 feet to Point Potrero; 35 feet to Santa Fe Channel; 35 feet in Santa Fe Channel for approximately 2,000 feet then 30 feet in the remainder of Santa Fe Channel and turning basin; 20 feet in channel east of Point San Pablo Channel; 32 feet in approach to Point Orient; 32 feet in approach to Point San Pablo.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	21,156	1993	24,570	1996	21,803	1999	22,356
1991	19,919	1994	24,094	1997	21,706		
1992	21,042	1995	20,839	1998	19,020		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
<b>Total, all commodities</b>	<b>11,263</b>	<b>8,761</b>	<b>2,212</b>	<b>289</b>	<b>2</b>
<b>Total coal</b>	<b>43</b>	<b>43</b>	—	—	—
1100 coal lignite	0	0	—	—	—
1200 coal coke	43	43	—	—	—

RICHMOND HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
<b>Total petroleum and petroleum products</b>	<b>9,671</b>	<b>7,636</b>	<b>1,953</b>	<b>82</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>5,834</b>	<b>5,834</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	5,834	5,834	—	—	—
<b>Subtotal petroleum products</b>	<b>3,837</b>	<b>1,803</b>	<b>1,953</b>	<b>82</b>	<b>—</b>
2211 gasoline	77	77	—	—	—
2221 kerosene	525	463	—	63	—
2330 distillate fuel oil	270	250	—	19	—
2340 residual fuel oil	1,281	1	1,280	—	—
2350 lube oil & greases	67	—	67	—	—
2410 petro. jelly & waxes	30	30	—	—	—
2429 naphtha & solvents	1,437	953	483	—	—
2430 asphalt, tar & pitch	42	22	20	—	—
2540 petroleum coke	109	7	102	—	—
<b>Total chemicals and related products</b>	<b>432</b>	<b>221</b>	<b>77</b>	<b>135</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>14</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	4	4	—	—	—
3190 fert. & mixes nec	10	10	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>419</b>	<b>207</b>	<b>77</b>	<b>135</b>	<b>—</b>
3212 benzene & toluene	7	7	—	—	—
3219 other hydrocarbons	3	3	—	—	—
3220 alcohols	63	—	—	63	—
3230 carboxylic acids	0	—	0	—	—
3250 organo - inorg. comp.	0	0	—	—	—
3260 organic comp. nec	250	177	—	72	—
3274 sodium hydroxide	14	14	—	—	—
3276 metallic salts	1	—	1	—	—
3279 inorganic chem. nec	3	3	—	—	—
3282 pigments & paints	0	0	—	—	—
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	0	0	0	—	—
3297 chemical additives	62	—	62	—	—
3299 chem. products nec	15	2	14	—	—
<b>Total crude materials, inedible except fuels</b>	<b>579</b>	<b>392</b>	<b>113</b>	<b>72</b>	<b>2</b>
<b>Subtotal forest products, wood and chips</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>2</b>
4161 wood chips	2	—	—	—	2
4189 lumber	2	2	0	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>403</b>	<b>331</b>	<b>—</b>	<b>72</b>	<b>—</b>
4322 limestone	56	—	—	56	—
4323 gypsum	331	331	—	—	—
4331 sand & gravel	17	—	—	17	—
<b>Subtotal iron ore and scrap</b>	<b>112</b>	<b>—</b>	<b>112</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	112	—	112	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>59</b>	<b>59</b>	<b>—</b>	<b>0</b>	<b>—</b>
4650 aluminum ore	59	59	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	0	—	0	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	0	0	—	—	—
<b>Total primary manufactured goods</b>	<b>169</b>	<b>168</b>	<b>1</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5190 paper products nec	0	—	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
5240 glass & glass prod.	0	0	0	—	—
<b>Subtotal primary iron and steel products</b>	<b>166</b>	<b>165</b>	<b>1</b>	<b>—</b>	<b>—</b>
5330 i&s plates & sheets	81	81	—	—	—
5360 i&s bars & shapes	62	62	—	—	—
5370 i&s pipe & tube	22	21	1	—	—
5390 primary i&s nec	0	0	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	3	3	0	—	—
<b>Total food and farm products</b>	<b>369</b>	<b>300</b>	<b>68</b>	<b>—</b>	<b>—</b>
<b>Subtotal oilseeds</b>	<b>132</b>	<b>126</b>	<b>6</b>	<b>—</b>	<b>—</b>
6590 oilseeds nec	132	126	6	—	—
<b>Subtotal vegetable products</b>	<b>205</b>	<b>173</b>	<b>32</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	205	173	32	—	—
6654 vegetables & prod.	1	—	1	—	—
<b>Subtotal processed grain and animal feed</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>
6781 hay & fodder	2	—	2	—	—
6782 animal feed, prep.	0	—	0	—	—
<b>Subtotal other agricultural products</b>	<b>28</b>	<b>1</b>	<b>28</b>	<b>—</b>	<b>—</b>
6838 tallow, animal oils	23	—	23	—	—
6839 animals & prod. nec	0	—	0	—	—
6857 fruit & nuts nec	0	—	0	—	—
6871 coffee	0	—	0	—	—
6885 alcoholic beverages	1	0	1	—	—
6888 water & ice	0	0	—	—	—
6889 food products nec	1	0	1	—	—
6891 tobacco & products	1	0	1	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>
7110 machinery (not elec)	0	0	0	—	—

RICHMOND HARBOR, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Foreign		Canadian	
			Imports*	Exports	Imports	Exports
7120	electrical machinery	0	0	0	—	—
7230	ships & boats	0	0	—	—	—
7400	manufac. wood prod.	0	0	—	—	—
7500	textile products	0	0	—	—	—
7900	manufac. prod. nec	0	0	0	—	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
<b>Total, all commodities</b>	<b>11,092</b>	<b>6,747</b>	<b>2,864</b>	<b>480</b>	<b>581</b>
<b>Total petroleum and petroleum products</b>	<b>10,855</b>	<b>6,572</b>	<b>2,814</b>	<b>476</b>	<b>573</b>
<b>Subtotal crude petroleum</b>	<b>5,380</b>	<b>5,154</b>	<b>—</b>	<b>206</b>	<b>21</b>
2100 crude petroleum	5,380	5,154	—	206	21
<b>Subtotal petroleum products</b>	<b>5,474</b>	<b>1,419</b>	<b>2,814</b>	<b>271</b>	<b>552</b>
2211 gasoline	2,369	680	1,543	51	73
2221 kerosene	42	42	—	—	—
2330 distillate fuel oil	1,201	544	455	118	47
2340 residual fuel oil	1,453	126	468	102	432
2350 lube oil & greases	339	7	296	—	36
2429 naphtha & solvents	21	19	2	—	—
2430 asphalt, tar & pitch	50	—	50	—	—
<b>Total chemicals and related products</b>	<b>234</b>	<b>175</b>	<b>49</b>	<b>2</b>	<b>8</b>
<b>Subtotal other chemicals and related products</b>	<b>234</b>	<b>175</b>	<b>49</b>	<b>2</b>	<b>8</b>
3211 acyclic hydrocarbons	20	—	20	—	—
3212 benzene & toluene	19	—	19	—	—
3274 sodium hydroxide	112	112	—	—	—
3276 metallic salts	9	—	9	—	—
3297 chemical additives	73	63	—	2	8
<b>Total crude materials, inedible except fuels</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
4170 wood in the rough	0	—	—	0	—
<b>Subtotal sulphur, clay and salt</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	1	—	1	—	—
<b>Total primary manufactured goods</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>—</b>
<b>Subtotal lime, cement and glass</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>—</b>
5290 misc. mineral prod.	3	—	—	2	—

\*Includes 649 (x1000) tons of foreign inbound in-transits.

SAN PABLO BAY AND MARE ISLAND STRAIT, CA

Section Included: All of San Pablo Bay and Mare Island Strait. Controlling Depth: Pinole Shoal channel 36.3 feet from San Pablo buoy at beginning of channel to buoy 9; 34.3 feet to buoy 11; 35.1 feet to end of channel; Mare Island Strait (the maintained westerly 55% of project width) 36.3 feet to the Navy Ammunition Pier; 35.8 feet to Finger Pier No. 21; 36.0 feet to "A" Street (end of maintained section); 20.5 feet to the end of 26-foot project at causeway. Project Depth: 35 feet in Pinole Shoal Channel and 30 feet in Mare Island Strait, except at upstream end of turning basin, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	33,982	1993	34,447	1996	28,579	1999	<b>18,612</b>
1991	32,326	1994	32,367	1997	22,480		
1992	36,085	1995	31,265	1998	20,198		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports*	Exports	Through Upbound	Downbnd	Imports	Through Upbound
<b>Total, all commodities</b>	<b>8,669</b>	<b>725</b>	<b>206</b>	<b>4,413</b>	<b>2,957</b>	<b>61</b>	<b>306</b>
<b>Total petroleum and petroleum products</b>	<b>4,351</b>	<b>614</b>	<b>189</b>	<b>1,567</b>	<b>1,950</b>	—	<b>32</b>
<b>Subtotal crude petroleum</b>	<b>1,103</b>	<b>485</b>	<b>—</b>	<b>618</b>	<b>—</b>	—	—
2100 crude petroleum	1,103	485	—	618	—	—	—
<b>Subtotal petroleum products</b>	<b>3,248</b>	<b>129</b>	<b>189</b>	<b>948</b>	<b>1,950</b>	—	<b>32</b>
2211 gasoline	354	105	—	225	24	—	—
2221 kerosene	356	—	7	343	—	—	6
2330 distillate fuel oil	388	24	27	185	132	—	20
2340 residual fuel oil	827	—	70	101	649	—	7
2350 lube oil & greases	27	—	12	—	15	—	—
2429 naphtha & solvents	464	—	15	84	364	—	—
2430 asphalt, tar & pitch	46	—	—	9	37	—	—

SAN PABLO BAY AND MARE ISLAND STRAIT, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports*	Exports	Through Upbound	Downbnd	Imports	Through Upbound
2540 petroleum coke	787	—	57	—	730	—	—
<b>Total chemicals and related products</b>	<b>1,376</b>	<b>111</b>	<b>16</b>	<b>911</b>	<b>2</b>	<b>61</b>	<b>273</b>
<b>Subtotal fertilizers</b>	<b>362</b>	<b>—</b>	<b>—</b>	<b>337</b>	<b>—</b>	<b>—</b>	<b>25</b>
3110 nitrogenous fert.	359	—	—	334	—	—	25
3130 potassic fert.	3	—	—	3	—	—	—
3190 fert. & mixes nec	0	—	—	0	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>1,014</b>	<b>111</b>	<b>16</b>	<b>574</b>	<b>2</b>	<b>61</b>	<b>249</b>
3211 acyclic hydrocarbons	11	—	11	—	—	—	—
3220 alcohols	6	—	—	—	—	—	6
3230 carboxylic acids	0	—	—	—	0	—	—
3250 organo - inorg. comp.	0	0	—	—	—	—	—
3260 organic comp. nec	713	104	—	515	—	61	32
3273 ammonia	241	—	—	50	0	—	191
3274 sodium hydroxide	27	7	—	—	—	—	20
3275 inorg. elem., oxides, & halogen salts	1	—	—	1	0	—	—
3276 metallic salts	8	—	—	8	1	—	—
3282 pigments & paints	0	—	0	—	—	—	—
3283 coloring mat. nec	0	0	—	—	—	—	—
3286 plastics	0	—	0	—	0	—	—
3292 starches, gluten, glue	0	—	—	0	—	—	—
3293 explosives	0	—	—	—	0	—	—
3297 chemical additives	2	—	—	1	—	1	—
3299 chem. products nec	5	—	5	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>610</b>	<b>0</b>	<b>—</b>	<b>145</b>	<b>465</b>	<b>—</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>226</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>226</b>	<b>—</b>	<b>—</b>
4161 wood chips	220	—	—	—	220	—	—
4170 wood in the rough	6	—	—	—	6	—	—
4190 forest products nec	0	0	—	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	1	—	—	—	1	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>145</b>	<b>—</b>	<b>—</b>	<b>145</b>	<b>—</b>	<b>—</b>	<b>—</b>
4323 gypsum	145	—	—	145	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>28</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>28</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	28	—	—	—	28	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4680 non-ferrous scrap	0	—	—	—	0	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>209</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>209</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	209	—	—	—	209	—	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	1	—	—	0	0	—	—
<b>Total primary manufactured goods</b>	<b>1,242</b>	<b>0</b>	<b>0</b>	<b>1,242</b>	<b>0</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5120 paper & paperboard	0	—	0	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>438</b>	<b>0</b>	<b>0</b>	<b>438</b>	<b>0</b>	<b>—</b>	<b>—</b>
5220 cement & concrete	438	—	—	438	—	—	—
5240 glass & glass prod.	0	—	—	—	0	—	—
5290 misc. mineral prod.	0	0	0	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>802</b>	<b>0</b>	<b>—</b>	<b>802</b>	<b>—</b>	<b>—</b>	<b>—</b>
5330 i&s plates & sheets	773	—	—	773	—	—	—
5360 i&s bars & shapes	16	0	—	16	—	—	—
5370 i&s pipe & tube	13	0	—	13	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	0	0	0	—	0	—	—
<b>Subtotal primary wood products</b>	<b>1</b>	<b>—</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	1	—	0	1	—	—	—
<b>Total food and farm products</b>	<b>1,065</b>	<b>0</b>	<b>0</b>	<b>548</b>	<b>517</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	—	—	—	0	—	—
<b>Subtotal grain</b>	<b>484</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>481</b>	<b>—</b>	<b>—</b>
6241 wheat	26	—	—	—	26	—	—
6344 corn	3	—	—	—	3	—	—
6442 rice	456	—	—	4	452	—	—
<b>Subtotal oilseeds</b>	<b>60</b>	<b>—</b>	<b>—</b>	<b>28</b>	<b>31</b>	<b>—</b>	<b>—</b>
6590 oilseeds nec	60	—	—	28	31	—	—
<b>Subtotal vegetable products</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	2	—	—	1	1	—	—
6654 vegetables & prod.	0	—	—	—	0	—	—
<b>Subtotal processed grain and animal feed</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>3</b>	<b>—</b>	<b>—</b>
6781 hay & fodder	2	—	—	—	2	—	—
6782 animal feed, prep.	5	—	—	5	0	—	—
<b>Subtotal other agricultural products</b>	<b>511</b>	<b>0</b>	<b>0</b>	<b>510</b>	<b>1</b>	<b>—</b>	<b>—</b>
6811 meat, fresh, frozen	0	—	—	—	0	—	—
6817 meat, prepared	0	—	—	—	0	—	—
6822 dairy products	0	—	—	—	0	—	—
6839 animals & prod. nec	0	0	—	—	0	—	—

SAN PABLO BAY AND MARE ISLAND STRAIT, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports*	Exports	Through Upbound	Through Downbnd	Imports	Through Upbound
6857 fruit & nuts nec	0	—	—	—	—	0	—
6858 fruit juices	0	—	—	—	—	0	—
6861 sugar	411	—	—	411	—	—	—
6865 molasses	99	—	—	99	—	—	—
6885 alcoholic beverages	0	—	—	—	—	0	—
6889 food products nec	0	—	0	—	—	0	—
6899 farm products nec	0	—	—	—	—	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	—	—
7110 machinery (not elec)	0	0	—	—	0	—	—
7120 electrical machinery	0	—	—	—	0	—	—
7210 vehicles & parts	21	—	—	0	21	—	—
7230 ships & boats	0	—	—	—	0	—	—
7300 ordnance & access.	2	—	—	—	2	—	—
7400 manufac. wood prod.	0	—	—	0	—	—	—
7500 textile products	0	0	0	—	0	—	—
7600 rubber & plastic pr.	0	0	0	—	0	—	—
7900 manufac. prod. nec	0	0	0	0	0	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	—	—
9900 unknown or nec	0	—	—	—	0	—	—
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	<b>86,688</b>	<b>7,255</b>	<b>2,058</b>	<b>44,131</b>	<b>29,572</b>	<b>615</b>	<b>3,057</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through Upbound	Through Downbnd
<b>Total, all commodities</b>	<b>5,950</b>	<b>71</b>	<b>150</b>	<b>4,859</b>	<b>871</b>
<b>Total petroleum and petroleum products</b>	<b>5,378</b>	<b>57</b>	<b>150</b>	<b>4,318</b>	<b>854</b>
<b>Subtotal crude petroleum</b>	<b>3,105</b>	—	—	<b>3,085</b>	<b>20</b>
2100 crude petroleum	3,105	—	—	3,085	20
<b>Subtotal petroleum products</b>	<b>2,273</b>	<b>57</b>	<b>150</b>	<b>1,233</b>	<b>834</b>
2211 gasoline	939	46	—	636	258
2330 distillate fuel oil	700	—	62	371	267
2340 residual fuel oil	534	6	88	218	222
2350 lube oil & greases	96	4	—	4	87
2430 asphalt, tar & pitch	4	—	—	4	—
<b>Total chemicals and related products</b>	<b>226</b>	<b>14</b>	—	<b>198</b>	<b>14</b>
<b>Subtotal fertilizers</b>	<b>52</b>	<b>5</b>	—	<b>47</b>	—
3110 nitrogenous fert.	52	5	—	47	—
<b>Subtotal other chemicals and related products</b>	<b>174</b>	<b>9</b>	—	<b>151</b>	<b>14</b>
3220 alcohols	2	—	—	—	2
3272 sulphuric acid	0	—	—	—	0
3273 ammonia	55	—	—	55	—
3274 sodium hydroxide	17	5	—	6	6
3275 inorg. elem., oxides, & halogen salts	40	—	—	40	—
3297 chemical additives	60	5	—	49	6
<b>Total crude materials, inedible except fuels</b>	<b>3</b>	—	—	—	<b>3</b>
<b>Subtotal forest products, wood and chips</b>	<b>3</b>	—	—	—	<b>3</b>
4161 wood chips	3	—	—	—	3
<b>Total food and farm products</b>	<b>340</b>	—	—	<b>340</b>	—
<b>Subtotal other agricultural products</b>	<b>340</b>	—	—	<b>340</b>	—
6861 sugar	339	—	—	339	—
6865 molasses	1	—	—	1	—
<b>Total all manufactured equipment, machinery and products</b>	<b>3</b>	—	—	<b>3</b>	—
7800 empty containers	3	—	—	3	—
<b>Ton-miles (x1000) Coastwise</b>	<b>58,988</b>	<b>526</b>	<b>1,169</b>	<b>48,586</b>	<b>8,708</b>

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>3,993</b>	<b>48</b>	<b>171</b>	<b>352</b>	<b>111</b>	<b>2,696</b>	<b>614</b>
<b>Total petroleum and petroleum products</b>	<b>3,490</b>	<b>45</b>	<b>171</b>	<b>352</b>	<b>110</b>	<b>2,518</b>	<b>293</b>
<b>Subtotal crude petroleum</b>	<b>2,313</b>	<b>43</b>	<b>12</b>	—	—	<b>2,249</b>	<b>10</b>
2100 crude petroleum	2,313	43	12	—	—	2,249	10

SAN PABLO BAY AND MARE ISLAND STRAIT, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Subtotal petroleum products</b>	<b>1,177</b>	<b>2</b>	<b>159</b>	<b>352</b>	<b>110</b>	<b>270</b>	<b>283</b>
2211 gasoline	195	—	71	—	—	73	51
2330 distillate fuel oil	362	2	8	170	43	47	91
2340 residual fuel oil	619	—	79	182	67	150	141
<b>Total chemicals and related products</b>	<b>10</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>2</b>
<b>Subtotal other chemicals and related products</b>	<b>10</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>2</b>
3297 chemical additives	10	2	—	—	—	5	2
<b>Total crude materials, inedible except fuels</b>	<b>374</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>294</b>
<b>Subtotal forest products, wood and chips</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>
4170 wood in the rough	6	0	0	0	0	2	3
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>338</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>47</b>	<b>291</b>
4331 sand & gravel	338	—	—	—	—	47	291
<b>Subtotal marine shells</b>	<b>30</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>30</b>	<b>—</b>
4515 marine shells	30	—	—	—	—	30	—
<b>Total primary manufactured goods</b>	<b>26</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>26</b>
<b>Subtotal lime, cement and glass</b>	<b>26</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>26</b>
5290 misc. mineral prod.	26	—	—	—	—	—	26
<b>Total food and farm products</b>	<b>93</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>93</b>	<b>—</b>
<b>Subtotal other agricultural products</b>	<b>93</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>93</b>	<b>—</b>
6865 molasses	93	—	—	—	—	93	—
<b>Ton-miles (x1000)</b>	<b>33,387</b>	<b>341</b>	<b>341</b>	<b>949</b>	<b>798</b>	<b>26,885</b>	<b>4,073</b>
<b>Internal</b>							
<b>Tons All Traffic (x1000)</b>	<b>18,612</b>						
<b>Ton-miles All Traffic (x1000)</b>	<b>179,063</b>						

\*Includes 142 (x1000) tons of foreign inbound in-transits.

CARQUINEZ STRAIT, CA

Section Included: All of Carquinez Strait from Davis Point on the westerly end to the Benicia-Martinez Bridge at Suisun Point on the easterly end, a distance of about 8 miles. Controlling Depth: 33 feet. Project Depth: 45 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	26,565	1993	26,046	1996	24,841	1999	17,388
1991	25,700	1994	26,118	1997	20,421		
1992	27,656	1995	26,931	1998	19,539		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports*	Exports*	Through	Upbound	Downbnd	Upbound
<b>Total, all commodities</b>	<b>7,676</b>	<b>2,109</b>	<b>1,283</b>	<b>2,304</b>	<b>1,674</b>		<b>70</b>
<b>Total petroleum and petroleum products</b>	<b>3,549</b>	<b>1,163</b>	<b>1,132</b>	<b>403</b>	<b>818</b>		<b>32</b>
<b>Subtotal crude petroleum</b>	<b>618</b>	<b>618</b>	<b>—</b>	<b>—</b>	<b>—</b>		<b>—</b>
2100 crude petroleum	618	618	—	—	—		—
<b>Subtotal petroleum products</b>	<b>2,930</b>	<b>545</b>	<b>1,132</b>	<b>403</b>	<b>818</b>		<b>32</b>
2211 gasoline	248	29	—	195	24		—
2221 kerosene	349	274	—	70	—		6
2330 distillate fuel oil	337	47	132	139	—		20
2340 residual fuel oil	757	101	591	—	58		7
2350 lube oil & greases	15	—	15	—	—		—
2429 naphtha & solvents	448	84	277	—	87		—
2430 asphalt, tar & pitch	46	9	37	—	—		—
2540 petroleum coke	730	—	81	—	649		—
<b>Total chemicals and related products</b>	<b>1,187</b>	<b>495</b>	<b>1</b>	<b>416</b>	<b>1</b>		<b>37</b>
<b>Subtotal fertilizers</b>	<b>362</b>	<b>—</b>	<b>—</b>	<b>337</b>	<b>—</b>		<b>25</b>
3110 nitrogenous fert.	359	—	—	334	—		25
3130 potassic fert.	3	—	—	3	—		—
3190 fert. & mixes nec	0	—	—	0	—		—
<b>Subtotal other chemicals and related products</b>	<b>825</b>	<b>495</b>	<b>1</b>	<b>79</b>	<b>1</b>		<b>37</b>
3220 alcohols	6	—	—	—	—		6
3230 carboxylic acids	0	—	—	—	0		—
3260 organic comp. nec	547	495	—	20	—		32
3273 ammonia	241	—	0	50	—		191
3274 sodium hydroxide	20	—	—	—	—		20

CARQUINEZ STRAIT, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports*	Exports*	Through Upbound	Downbnd	Imports	Through Upbound
3275 inorg. elem.,oxides, & halogen salts	1	—	0	1	0	—	—
3276 metallic salts	8	—	0	8	1	—	—
3286 plastics	0	—	—	—	0	—	—
3292 starches, gluten, glue	0	—	—	0	—	—	—
3293 explosives	0	—	0	—	0	—	—
3297 chemical additives	1	—	1	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>610</b>	—	<b>48</b>	<b>145</b>	<b>417</b>	—	—
<b>Subtotal forest products, wood and chips</b>	<b>226</b>	—	<b>19</b>	—	<b>207</b>	—	—
4161 wood chips	220	—	19	—	202	—	—
4170 wood in the rough	6	—	—	—	6	—	—
<b>Subtotal pulp and waste paper</b>	<b>1</b>	—	<b>1</b>	—	<b>0</b>	—	—
4225 pulp & waste paper	1	—	1	—	0	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>145</b>	—	—	<b>145</b>	—	—	—
4323 gypsum	145	—	—	145	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>28</b>	—	<b>28</b>	—	—	—	—
4420 iron & steel scrap	28	—	28	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	—	<b>0</b>	—	<b>0</b>	—	—
4680 non-ferrous scrap	0	—	0	—	0	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>209</b>	—	—	—	<b>209</b>	—	—
4741 sulphur, (dry)	209	—	—	—	209	—	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>	—	<b>0</b>	<b>0</b>	—	—	—
4900 non-metal. min. nec	1	—	0	0	—	—	—
<b>Total primary manufactured goods</b>	<b>1,242</b>	<b>40</b>	<b>0</b>	<b>1,201</b>	<b>0</b>	—	—
<b>Subtotal lime, cement and glass</b>	<b>438</b>	<b>40</b>	—	<b>398</b>	<b>0</b>	—	—
5220 cement & concrete	438	40	—	398	—	—	—
5240 glass & glass prod.	0	—	—	—	0	—	—
<b>Subtotal primary iron and steel products</b>	<b>802</b>	—	—	<b>802</b>	—	—	—
5330 i&s plates & sheets	773	—	—	773	—	—	—
5360 i&s bars & shapes	16	—	—	16	—	—	—
5370 i&s pipe & tube	13	—	—	13	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
5480 fab. metal products	0	—	0	—	—	—	—
<b>Subtotal primary wood products</b>	<b>1</b>	—	—	<b>1</b>	—	—	—
5540 primary wood prod.	1	—	—	1	—	—	—
<b>Total food and farm products</b>	<b>1,065</b>	<b>411</b>	<b>79</b>	<b>138</b>	<b>438</b>	—	—
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	—	—	<b>0</b>	—	—
6134 fish (not shellfish)	0	—	0	—	0	—	—
<b>Subtotal grain</b>	<b>484</b>	—	<b>70</b>	<b>4</b>	<b>410</b>	—	—
6241 wheat	26	—	—	—	26	—	—
6344 corn	3	—	—	—	3	—	—
6442 rice	456	—	70	4	382	—	—
<b>Subtotal oilseeds</b>	<b>60</b>	—	<b>6</b>	<b>28</b>	<b>26</b>	—	—
6590 oilseeds nec	60	—	6	28	26	—	—
<b>Subtotal vegetable products</b>	<b>3</b>	—	<b>1</b>	<b>1</b>	<b>0</b>	—	—
6653 vegetable oils	2	—	1	1	—	—	—
6654 vegetables & prod.	0	—	0	—	0	—	—
<b>Subtotal processed grain and animal feed</b>	<b>8</b>	—	<b>1</b>	<b>5</b>	<b>1</b>	—	—
6781 hay & fodder	2	—	1	—	1	—	—
6782 animal feed, prep.	5	—	—	5	0	—	—
<b>Subtotal other agricultural products</b>	<b>511</b>	<b>411</b>	<b>0</b>	<b>99</b>	<b>1</b>	—	—
6811 meat, fresh, frozen	0	—	—	—	0	—	—
6817 meat, prepared	0	—	—	—	0	—	—
6822 dairy products	0	—	0	—	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	0	—	—
6858 fruit juices	0	—	0	—	—	—	—
6861 sugar	411	411	—	—	—	—	—
6865 molasses	99	—	—	99	—	—	—
6885 alcoholic beverages	0	—	0	—	0	—	—
6889 food products nec	0	—	0	—	—	—	—
6899 farm products nec	0	—	—	—	0	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>23</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>1</b>	—	—
7110 machinery (not elec)	0	—	0	—	0	—	—
7120 electrical machinery	0	—	0	—	0	—	—
7210 vehicles & parts	21	0	21	—	1	—	—
7230 ships & boats	0	—	—	—	0	—	—
7300 ordnance & access.	2	—	2	—	0	—	—
7400 manufac. wood prod.	0	—	—	—	—	—	—
7500 textile products	0	—	0	—	—	—	—
7600 rubber & plastic pr.	0	—	—	—	0	—	—
7900 manufac. prod. nec	0	—	0	0	—	—	—

CARQUINEZ STRAIT, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign			Canadian		
		Imports*	Exports*	Through Upbound	Downbnd	Imports	Through Upbound
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	0	—	0	—	—
9900 unknown or nec	0	—	0	—	0	—	—
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	<b>53,732</b>	<b>14,766</b>	<b>8,984</b>	<b>16,125</b>	<b>11,717</b>	<b>488</b>	<b>1,652</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through Upbound	Downbnd
<b>Total, all commodities</b>	<b>5,729</b>	<b>4,659</b>	<b>661</b>	<b>199</b>	<b>209</b>
<b>Total petroleum and petroleum products</b>	<b>5,171</b>	<b>4,232</b>	<b>653</b>	<b>86</b>	<b>200</b>
Subtotal crude petroleum	3,105	3,085	20	—	—
2100 crude petroleum	3,105	3,085	20	—	—
Subtotal petroleum products	2,067	1,147	633	86	200
2211 gasoline	893	615	187	21	71
2330 distillate fuel oil	638	306	217	65	50
2340 residual fuel oil	440	218	142	—	80
2350 lube oil & greases	91	4	87	—	—
2430 asphalt, tar & pitch	4	4	—	—	—
<b>Total chemicals and related products</b>	<b>212</b>	<b>89</b>	<b>8</b>	<b>109</b>	<b>6</b>
Subtotal fertilizers	47	—	—	47	—
3110 nitrogenous fert.	47	—	—	47	—
Subtotal other chemicals and related products	165	89	8	62	6
3220 alcohols	2	—	2	—	—
3272 sulphuric acid	0	—	—	—	0
3273 ammonia	55	—	—	55	—
3274 sodium hydroxide	12	—	—	6	6
3275 inorg. elem., oxides, & halogen salts	40	40	—	—	—
3297 chemical additives	55	49	6	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3</b>	—	—	—	<b>3</b>
Subtotal forest products, wood and chips	3	—	—	—	3
4161 wood chips	3	—	—	—	3
<b>Total food and farm products</b>	<b>340</b>	<b>339</b>	—	<b>1</b>	—
Subtotal other agricultural products	340	339	—	1	—
6861 sugar	339	339	—	—	—
6865 molasses	1	—	—	1	—
<b>Total all manufactured equipment, machinery and products</b>	<b>3</b>	—	—	<b>3</b>	—
7800 empty containers	3	—	—	3	—
<b>Ton-miles (x1000) Coastwise</b>	<b>34,213</b>	<b>27,968</b>	<b>3,385</b>	<b>1,394</b>	<b>1,466</b>

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>3,982</b>	<b>2,576</b>	<b>158</b>	<b>4</b>	<b>219</b>	<b>407</b>	<b>538</b>	<b>10</b>	<b>72</b>
<b>Total petroleum and petroleum products</b>	<b>3,459</b>	<b>2,567</b>	<b>42</b>	<b>4</b>	<b>217</b>	<b>303</b>	<b>247</b>	<b>8</b>	<b>72</b>
Subtotal crude petroleum	2,288	2,249	—	—	22	—	—	8	10
2100 crude petroleum	2,288	2,249	—	—	22	—	—	8	10
Subtotal petroleum products	1,171	318	42	4	196	303	247	—	62
2211 gasoline	246	50	—	—	22	23	100	—	50
2330 distillate fuel oil	317	70	—	—	91	148	8	—	—
2340 residual fuel oil	609	199	42	4	82	133	139	—	12
<b>Total chemicals and related products</b>	<b>9</b>	<b>5</b>	—	—	<b>2</b>	—	—	<b>2</b>	—
Subtotal other chemicals and related products	9	5	—	—	2	—	—	2	—

CARQUINEZ STRAIT, CA  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3297 chemical additives	9	5	—	—	—	2	—	—	2
<b>Total crude materials, inedible except fuels</b>	<b>420</b>	<b>3</b>	<b>116</b>	<b>—</b>	<b>—</b>	<b>10</b>	<b>291</b>	<b>—</b>	<b>—</b>
Subtotal soil, sand, gravel, rock and stone	410	3	116	—	—	—	291	—	—
4331 sand & gravel	410	3	116	—	—	—	291	—	—
<b>Subtotal marine shells</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	10	—	—	—	—	10	—	—	—
<b>Total food and farm products</b>	<b>93</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>93</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal other agricultural products</b>	<b>93</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>93</b>	<b>—</b>	<b>—</b>	<b>—</b>
6865 molasses	93	—	—	—	—	93	—	—	—
<b>Ton-miles Internal (x1000)</b>	<b>24,700</b>	<b>16,426</b>	<b>232</b>	<b>21</b>	<b>970</b>	<b>2,850</b>	<b>3,764</b>	<b>58</b>	<b>380</b>

**Tons All Traffic (x1000)** 17,388  
**Ton-miles All Traffic (x1000)** 112,645

\*Includes 26 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

SUISUN BAY CHANNEL, CA

Section Included: Suisun Bay Channel from Suisun Point at west end of Benicia-Martinez Bridge to East Reach of Middleground Island thence to mouth of New York Slough. Controlling Depth: 35.0 feet from Suisun Point to Avon Wharf; 35.0 feet to Preston Point; 35.0 feet to Middle Point; 35.0 feet through East Reach Middleground Island, 38.0 feet to mouth of New York Slough, 35.0 feet thru New York Slough. Project Depth: 35 feet from Benicia-Martinez Bridge to Avon Pier, 30 feet for remainder of channel.

**Comparative Statement of Traffic (thousand short tons)**

Year	Total	Year	Total	Year	Total	Year	Total
1990	8,156	1993	7,133	1996	7,407	<b>1999</b>	<b>5,728</b>
1991	7,289	1994	7,556	1997	6,752		
1992	6,340	1995	7,012	1998	6,644		

### Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian
		Imports	Exports	Through Upbound	Through Downbnd	Through Upbound
<b>Total, all commodities</b>	<b>4,213</b>	<b>397</b>	<b>89</b>	<b>1,907</b>	<b>1,585</b>	<b>236</b>
<b>Total petroleum and petroleum products</b>	<b>1,221</b>	<b>376</b>	<b>88</b>	<b>27</b>	<b>730</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>1,221</b>	<b>376</b>	<b>88</b>	<b>27</b>	<b>730</b>	<b>—</b>
2211 gasoline	219	183	24	12	—	—
2221 kerosene	70	70	—	—	—	—
2330 distillate fuel oil	139	123	—	15	—	—
2340 residual fuel oil	58	—	26	—	32	—
2429 naphtha & solvents	87	—	38	—	49	—
2540 petroleum coke	649	—	—	—	649	—
<b>Total chemicals and related products</b>	<b>653</b>	<b>20</b>	<b>—</b>	<b>396</b>	<b>1</b>	<b>236</b>
<b>Subtotal fertilizers</b>	<b>362</b>	<b>—</b>	<b>—</b>	<b>337</b>	<b>—</b>	<b>25</b>
3110 nitrogenous fert.	359	—	—	334	—	25
3130 potassic fert.	3	—	—	3	—	—
3190 fert. & mixes nec	0	—	—	0	—	—
<b>Subtotal other chemicals and related products</b>	<b>291</b>	<b>20</b>	<b>—</b>	<b>59</b>	<b>1</b>	<b>211</b>
3230 carboxylic acids	0	—	—	—	0	—
3260 organic comp. nec	20	20	—	—	—	—
3273 ammonia	241	—	—	50	—	191
3274 sodium hydroxide	20	—	—	—	—	20
3275 inorg. elem.,oxides, & halogen salts	1	—	—	1	0	—
3276 metallic salts	8	—	—	8	1	—
3286 plastics	0	—	—	—	0	—
3292 starches, gluten, glue	0	—	—	0	—	—
3293 explosives	0	—	—	—	0	—
<b>Total crude materials, inedible except fuels</b>	<b>562</b>	<b>—</b>	<b>—</b>	<b>145</b>	<b>417</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>207</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>207</b>	<b>—</b>
4161 wood chips	202	—	—	—	202	—
4170 wood in the rough	6	—	—	—	6	—

SUISUN BAY CHANNEL, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian
		Imports	Exports	Through Upbound	Through Downbnd	Through Upbound
<b>Subtotal pulp and waste paper</b>	0	—	—	—	—	0
4225 pulp & waste paper	0	—	—	—	—	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	145	—	—	145	—	—
4323 gypsum	145	—	—	145	—	—
<b>Subtotal non-ferrous ores and scrap</b>	0	—	—	—	—	0
4680 non-ferrous scrap	0	—	—	—	—	0
<b>Subtotal sulphur, clay and salt</b>	209	—	—	—	—	209
4741 sulphur, (dry)	209	—	—	—	—	209
<b>Subtotal other non-metal. min.</b>	0	—	—	0	—	—
4900 non-metal. min. nec	0	—	—	0	—	—
<b>Total primary manufactured goods</b>	1,201	—	—	1,201	0	—
<b>Subtotal lime, cement and glass</b>	398	—	—	398	0	—
5220 cement & concrete	398	—	—	398	—	—
5240 glass & glass prod.	0	—	—	—	0	—
<b>Subtotal primary iron and steel products</b>	802	—	—	802	—	—
5330 i&s plates & sheets	773	—	—	773	—	—
5360 i&s bars & shapes	16	—	—	16	—	—
5370 i&s pipe & tube	13	—	—	13	—	—
<b>Subtotal primary wood products</b>	1	—	—	1	—	—
5540 primary wood prod.	1	—	—	1	—	—
<b>Total food and farm products</b>	576	—	1	138	437	—
<b>Subtotal fish</b>	0	—	—	—	0	—
6134 fish (not shellfish)	0	—	—	—	0	—
<b>Subtotal grain</b>	414	—	—	4	410	—
6241 wheat	26	—	—	—	26	—
6344 corn	3	—	—	—	3	—
6442 rice	385	—	—	4	382	—
<b>Subtotal oilseeds</b>	54	—	—	28	26	—
6590 oilseeds nec	54	—	—	28	26	—
<b>Subtotal vegetable products</b>	1	—	—	1	0	—
6653 vegetable oils	1	—	—	1	—	—
6654 vegetables & prod.	0	—	—	—	0	—
<b>Subtotal processed grain and animal feed</b>	7	—	1	5	0	—
6781 hay & fodder	1	—	1	—	—	—
6782 animal feed, prep.	5	—	—	5	0	—
<b>Subtotal other agricultural products</b>	100	—	—	99	1	—
6811 meat, fresh, frozen	0	—	—	—	0	—
6817 meat, prepared	0	—	—	—	0	—
6857 fruit & nuts nec	0	—	—	—	0	—
6865 molasses	99	—	—	99	—	—
6885 alcoholic beverages	0	—	—	—	0	—
6899 farm products nec	0	—	—	—	0	—
<b>Total all manufactured equipment, machinery and products</b>	1	—	0	0	1	—
7110 machinery (not elec)	0	—	—	—	0	—
7120 electrical machinery	0	—	—	—	0	—
7210 vehicles & parts	1	—	—	—	1	—
7230 ships & boats	0	—	—	—	0	—
7300 ordnance & access.	0	—	0	—	0	—
7400 manufac. wood prod.	0	—	—	0	—	—
7600 rubber & plastic pr.	0	—	—	—	0	—
7900 manufac. prod. nec	0	—	—	0	—	—
<b>Total unknown or not elsewhere classified</b>	0	—	—	—	0	—
9900 unknown or nec	0	—	—	—	0	—
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	56,891	793	178	28,605	23,775	3,539

Commodity	Total	Domestic						
		Coastwise		Through		Internal		
Receipts	Shipments	Upbound	Downbnd	Inbound Upbound	Outbound Downbnd	Through Upbound		
<b>Total, all commodities</b>	1,515	63	200	136	9	307	695	104
<b>Total petroleum and petroleum products</b>	882	63	200	23	—	307	288	—
<b>Subtotal petroleum products</b>	882	63	200	23	—	307	288	—
2211 gasoline	215	15	71	6	—	23	100	—
2330 distillate fuel oil	271	48	50	17	—	148	8	—
2340 residual fuel oil	396	—	80	—	—	136	180	—
<b>Total chemicals and related products</b>	115	—	—	109	6	—	—	—
<b>Subtotal fertilizers</b>	47	—	—	47	—	—	—	—
3110 nitrogenous fert.	47	—	—	47	—	—	—	—

SUISUN BAY CHANNEL, CA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise				Internal	
		Receipts	Shipments	Through Upbound	Through Downbnd	Inbound Upbound	Outbound Downbnd
<b>Subtotal other chemicals and related products</b>	<b>68</b>	—	—	<b>62</b>	<b>6</b>	—	—
3272 sulphuric acid	0	—	—	—	0	—	—
3273 ammonia	55	—	—	55	—	—	—
3274 sodium hydroxide	12	—	—	6	6	—	—
<b>Total crude materials, inedible except fuels</b>	<b>420</b>	—	—	—	<b>3</b>	—	<b>407</b>
<b>Subtotal forest products, wood and chips</b>	<b>3</b>	—	—	—	<b>3</b>	—	—
4161 wood chips	3	—	—	—	3	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>407</b>	—	—	—	—	—	<b>407</b>
4331 sand & gravel	407	—	—	—	—	—	407
<b>Subtotal marine shells</b>	<b>10</b>	—	—	—	—	—	<b>10</b>
4515 marine shells	10	—	—	—	—	—	10
<b>Total food and farm products</b>	<b>94</b>	—	—	1	—	—	<b>93</b>
<b>Subtotal other agricultural products</b>	<b>94</b>	—	—	1	—	—	<b>93</b>
6865 molasses	94	—	—	1	—	—	93
<b>Total all manufactured equipment, machinery and products</b>	<b>3</b>	—	—	<b>3</b>	—	—	—
7800 empty containers	3	—	—	3	—	—	—
<b>Ton-miles (x1000)</b>	<b>8,692</b>	<b>111</b>	<b>401</b>	<b>2,040</b>	<b>137</b>	<b>614</b>	<b>3,832</b>
<b>Domestic</b>							<b>1,558</b>
<b>Tons All Traffic (x1000)</b>			<b>5,728</b>				
<b>Ton-miles All Traffic (x1000)</b>				<b>65,583</b>			

PETALUMA RIVER, CA

Section Included: From across the flats in San Pablo Bay to the mouth of the Petaluma River a distance of 5.3 miles with a controlling depth of 7.0 feet. from the mouth of the river to Western Ave. a distance of 13 miles with a controlling depth of 8.0 feet and 270 feet above Western Ave. A controlling depth of 4.0 feet. Project Depth is 8.0 feet, except for 200 feet above Western Ave. which is 4.0 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	287	1993	208	1996	208	<b>1999</b>	<b>326</b>
1991	239	1994	232	1997	216		
1992	315	1995	196	1998	280		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
<b>Total, all commodities</b>	<b>326</b>	<b>301</b>	<b>26</b>
<b>Total crude materials, inedible except fuels</b>	<b>301</b>	<b>301</b>	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>281</b>	<b>281</b>	—
4331 sand & gravel	281	281	—
<b>Subtotal marine shells</b>	<b>19</b>	<b>19</b>	—
4515 marine shells	19	19	—
<b>Total primary manufactured goods</b>	<b>26</b>	—	<b>26</b>
<b>Subtotal lime, cement and glass</b>	<b>26</b>	—	<b>26</b>
5290 misc. mineral prod.	26	—	26
<b>Ton-miles (x1000)</b>	<b>2,719</b>	<b>2,435</b>	<b>283</b>
<b>Tons All Traffic (x1000)</b>	<b>326</b>		
<b>Ton-miles All Traffic (x1000)</b>	<b>2,719</b>		

HUMBOLDT HARBOR AND BAY, CA

Section Included: Entrance channel to bay and channels in bay between Arcata Wharf on the north and Fields Landing on the south. Controlling Depth: Bar entrance channel, 45.1 feet; channel between the jetties, 35.0 feet; channel at intersection of Fields Landing and North Bay Channel, 27.5 feet, North Bay Channel, 34.8 feet to Standard Oil Wharf at Bucksport, 34.5 feet for remainder of channel; Samoa Channel, 34.6 feet; 30.0 feet in Samoa Turning Basin; Eureka Channel, 29.3 feet to angle in channel, 11.5 feet to "D" Street, 8.9 feet to head of project; Fields Landing Channel, 26.3 feet to Buhne Point, 29.6 feet at Buhne Point; 28.0 feet to turning basin, 28.5 feet in turning basin, 19.6 feet in southeast corner of turning basin. Project Depth: Entrance channel, 40 feet; North Bay, Samoa, and lower portion of Eureka Channel 30 feet, upper portion of Eureka Channel and Fields Landing Channel, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,600	1993	994	1996	1,197	1999	1,302
1991	2,301	1994	1,407	1997	1,175		
1992	1,311	1995	1,220	1998	1,072		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports	Exports	Total	Coastwise Receipts	Shipments
<b>Total, all commodities</b>	<b>1,301</b>	<b>52</b>	<b>550</b>	<b>49</b>	<b>1</b>	<b>649</b>	<b>520</b>	<b>129</b>
<b>Total petroleum and petroleum products</b>	<b>310</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>309</b>	<b>309</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>310</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>309</b>	<b>309</b>	<b>—</b>
2211 gasoline	309	—	—	—	—	309	309	—
2221 kerosene	1	—	—	—	1	—	—	—
<b>Total chemicals and related products</b>	<b>10</b>	<b>4</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>6</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>3</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	3	3	—	—	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>6</b>	<b>—</b>
3240 nitrogen func. comp.	0	0	0	—	—	—	—	—
3260 organic comp. nec	0	—	0	—	—	—	—	—
3274 sodium hydroxide	6	—	—	—	—	6	6	—
3276 metallic salts	0	0	0	—	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—
3286 plastics	0	0	0	—	—	—	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>965</b>	<b>36</b>	<b>546</b>	<b>49</b>	<b>0</b>	<b>334</b>	<b>205</b>	<b>129</b>
<b>Subtotal forest products, wood and chips</b>	<b>740</b>	<b>36</b>	<b>321</b>	<b>49</b>	<b>—</b>	<b>334</b>	<b>205</b>	<b>129</b>
4161 wood chips	675	—	321	20	—	334	205	129
4170 wood in the rough	57	29	—	28	—	—	—	—
4189 lumber	7	7	0	—	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>225</b>	<b>0</b>	<b>225</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	225	0	225	—	0	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4331 sand & gravel	0	—	0	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4650 aluminum ore	0	—	0	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	0	0	0	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5120 paper & paperboard	0	0	—	—	—	—	—	—
5190 paper products nec	0	0	—	—	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5240 glass & glass prod.	1	1	—	—	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>11</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5330 i&s plates & sheets	10	10	—	—	—	—	—	—
5360 i&s bars & shapes	1	1	—	—	—	—	—	—
5370 i&s pipe & tube	0	0	—	—	—	—	—	—
5390 primary i&s nec	0	0	—	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	0	—	0	—	—	—	—	—
<b>Total food and farm products</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	0	—	0	—	—	—	—
<b>Subtotal grain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6442 rice	0	0	0	—	—	—	—	—

HUMBOLDT HARBOR AND BAY, CA  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports	Exports	Total	Coastwise	
						Receipts	Shipments	
<b>Subtotal vegetable products</b>	<b>0</b>	—	0	—	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	—
6782 animal feed, prep.	0	0	—	—	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>3</b>	<b>0</b>	<b>3</b>	—	—	—	—	—
6835 fish, prepared	0	0	—	—	—	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—	—	—
6857 fruit & nuts nec	1	—	1	—	—	—	—	—
6858 fruit juices	0	—	0	—	—	—	—	—
6885 alcoholic beverages	2	0	2	—	—	—	—	—
6888 water & ice	0	0	—	—	—	—	—	—
6889 food products nec	0	0	0	—	—	—	—	—
6893 cotton	0	—	0	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>0</b>	<b>0</b>	—	—	<b>0</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	0	0	—	—	—	0	0	0
7120 electrical machinery	0	0	0	—	—	—	—	—
7210 vehicles & parts	0	—	0	—	—	—	—	—
7300 ordnance & access.	0	—	0	—	—	—	—	—
7400 manufac. wood prod.	0	—	0	—	—	—	—	—
7500 textile products	0	0	0	—	—	—	—	—
7600 rubber & plastic pr.	0	0	—	—	—	—	—	—
7900 manufac. prod. nec	0	0	0	—	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	0	0	—	—	—	—	—	—

\*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
BERKELEY, CA	No Commerce Reported	
BODEGA BAY, CA	No Commerce Reported	
CRESCENT CITY HARBOR, CA	No Commerce Reported	
MONTEREY HARBOR, CA	6857 fruit & nuts nec 7210 vehicles & parts 7900 manufac. prod. nec	0 0 0
	<b>Total Tons(x1000)</b>	<b>0</b>
MOSS LANDING HARBOR, CA	No Commerce Reported	
NAPA RIVER, CA	4170 wood in the rough 4331 sand & gravel	6 44
	<b>Total Tons(x1000)</b>	<b>49</b>
	<b>Total Ton-miles(x1000)</b>	<b>215</b>
NOYO RIVER, CA	No Commerce Reported	
PILLAR POINT HARBOR, CA	No Commerce Reported	
SAN RAFAEL CREEK, CA	4170 wood in the rough	0
	<b>Total Tons(x1000)</b>	<b>0</b>
	<b>Total Ton-miles(x1000)</b>	<b>0</b>
SANTA CRUZ HARBOR, CA	No Commerce Reported	
SUISUN CHANNEL, CA	No Commerce Reported	
Non-project		
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET)	2100 crude petroleum 2211 gasoline 2330 distillate fuel oil 2340 residual fuel oil 4170 wood in the rough 4331 sand & gravel 4515 marine shells	4,954 15 2 133 6 1,470 30
	<b>Total Tons(x1000)</b>	<b>6,610</b>

HILO HARBOR, HI

Section Included: Port of Hilo. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,690	1993	1,469	1996	1,442	1999	1,701
1991	1,556	1994	1,455	1997	1,489		
1992	1,588	1995	1,354	1998	1,630		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic	
		Imports	Total	Coastwise	Receipts
			78	1,624	1,183
<b>Total, all commodities</b>	<b>1,701</b>				<b>440</b>
<b>Total coal</b>	<b>67</b>	<b>67</b>	—	—	—
1100 coal lignite	67	67	—	—	—
<b>Total petroleum and petroleum products</b>	<b>389</b>	<b>5</b>	<b>384</b>	<b>384</b>	—
<b>Subtotal petroleum products</b>	<b>389</b>	<b>5</b>	<b>384</b>	<b>384</b>	—
2211 gasoline	109	—	109	109	—
2330 distillate fuel oil	99	—	99	99	—
2340 residual fuel oil	158	—	158	158	—
2350 lube oil & greases	0	—	0	0	—
2640 liquid natural gas	21	5	16	16	—
2990 petro. products nec	1	—	1	1	—
<b>Total chemicals and related products</b>	<b>31</b>	—	<b>31</b>	<b>21</b>	<b>10</b>
<b>Subtotal fertilizers</b>	<b>28</b>	—	<b>28</b>	<b>18</b>	<b>10</b>
3190 fert. & mixes nec	28	—	28	18	10
<b>Subtotal other chemicals and related products</b>	<b>3</b>	—	<b>3</b>	<b>3</b>	<b>0</b>
3281 radioactive material	0	—	0	—	0
3282 pigments & paints	1	—	1	1	—
3284 medicines	0	—	0	0	—
3285 perfumes & cleansers	1	—	1	1	—
3286 plastics	0	—	0	0	—
3291 pesticides	0	—	0	0	—
3293 explosives	0	—	0	0	—
<b>Total crude materials, inedible except fuels</b>	<b>57</b>	<b>5</b>	<b>52</b>	<b>47</b>	<b>5</b>
<b>Subtotal forest products, wood and chips</b>	<b>40</b>	—	<b>40</b>	<b>37</b>	<b>3</b>
4189 lumber	39	—	39	36	3
4190 forest products nec	0	—	0	0	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	—	<b>0</b>	—	<b>0</b>
4225 pulp & waste paper	0	—	0	—	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>2</b>	—
4331 sand & gravel	5	5	—	—	—
4338 soil & fill dirt	2	—	2	2	—
<b>Subtotal iron ore and scrap</b>	<b>10</b>	—	<b>10</b>	<b>9</b>	<b>1</b>
4420 iron & steel scrap	10	—	10	9	1
<b>Subtotal other non-metal. min.</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—
4900 non-metal. min. nec	0	—	0	0	—
<b>Total primary manufactured goods</b>	<b>753</b>	—	<b>753</b>	<b>443</b>	<b>310</b>
<b>Subtotal paper products</b>	<b>16</b>	—	<b>16</b>	<b>16</b>	<b>0</b>
5110 newsprint	0	—	0	0	—
5120 paper & paperboard	1	—	1	1	—
5190 paper products nec	16	—	16	15	0
<b>Subtotal lime, cement and glass</b>	<b>22</b>	—	<b>22</b>	<b>22</b>	<b>0</b>
5220 cement & concrete	17	—	17	17	0
5240 glass & glass prod.	0	—	0	0	—
5290 misc. mineral prod.	4	—	4	4	—
<b>Subtotal primary iron and steel products</b>	<b>3</b>	—	<b>3</b>	<b>3</b>	<b>0</b>
5360 i&s bars & shapes	1	—	1	1	0
5370 i&s pipe & tube	2	—	2	2	0
<b>Subtotal primary non-ferrous metal products</b>	<b>707</b>	—	<b>707</b>	<b>398</b>	<b>309</b>
5480 fab. metal products	707	—	707	398	309
<b>Subtotal primary wood products</b>	<b>5</b>	—	<b>5</b>	<b>5</b>	—
5540 primary wood prod.	5	—	5	5	—
<b>Total food and farm products</b>	<b>152</b>	—	<b>152</b>	<b>104</b>	<b>48</b>
<b>Subtotal fish</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—
6134 fish (not shellfish)	0	—	0	0	—
<b>Subtotal grain</b>	<b>4</b>	—	<b>4</b>	<b>4</b>	—
6442 rice	4	—	4	4	—
<b>Subtotal vegetable products</b>	<b>15</b>	—	<b>15</b>	<b>6</b>	<b>9</b>
6654 vegetables & prod.	15	—	15	6	9
<b>Subtotal processed grain and animal feed</b>	<b>8</b>	—	<b>8</b>	<b>8</b>	<b>0</b>
6746 wheat flour	1	—	1	1	—
6747 grain mill products	0	—	0	0	—
6781 hay & fodder	0	—	0	0	—
6782 animal feed, prep.	7	—	7	7	0
<b>Subtotal other agricultural products</b>	<b>125</b>	—	<b>125</b>	<b>86</b>	<b>39</b>
6811 meat, fresh, frozen	8	—	8	8	0
6822 dairy products	2	—	2	2	—
6839 animals & prod. nec	6	—	6	1	5
6857 fruit & nuts nec	1	—	1	1	0

HILO HARBOR, HI  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign	Domestic		
		Imports	Total	Coastwise	
			Receipts	Shipments	
6858 fruit juices	0	—	0	0	0
6861 sugar	0	—	0	0	—
6865 molasses	1	—	1	—	1
6871 coffee	0	—	0	0	0
6885 alcoholic beverages	9	—	9	9	—
6887 groceries	8	—	8	8	0
6889 food products nec	83	—	83	57	26
6891 tobacco & products	0	—	0	0	—
6899 farm products nec	8	—	8	0	8
<b>Total all manufactured equipment, machinery and products</b>	<b>252</b>	—	<b>252</b>	<b>185</b>	<b>67</b>
7110 machinery (not elec)	9	—	9	3	5
7120 electrical machinery	1	—	1	0	0
7210 vehicles & parts	113	—	113	84	28
7230 ships & boats	0	—	0	0	0
7400 manufac. wood prod.	2	—	2	1	0
7500 textile products	0	—	0	0	—
7600 rubber & plastic pr.	1	—	1	0	0
7900 manufac. prod. nec	127	—	127	94	33
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—
9900 unknown or nec	0	—	0	0	—

KAWAIHAE HARBOR, HI

Section Included: Port of Kawaihae. Controlling Depth: 42.0 feet in entrance channel and 36.0 feet in harbor basin. Project Depth: Harbor basin 35 feet; entrance channel 40 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	887	1993	655	1996	969	1999	1,090
1991	745	1994	736	1997	980		
1992	790	1995	873	1998	886		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
<b>Total, all commodities</b>	<b>1,090</b>	<b>662</b>	<b>428</b>
<b>Total petroleum and petroleum products</b>	<b>20</b>	<b>20</b>	—
<b>Subtotal petroleum products</b>	<b>20</b>	<b>20</b>	—
2211 gasoline	16	16	—
2330 distillate fuel oil	3	3	—
2990 petro. products nec	0	0	—
<b>Total chemicals and related products</b>	<b>5</b>	<b>4</b>	<b>1</b>
<b>Subtotal fertilizers</b>	<b>4</b>	<b>3</b>	<b>1</b>
3190 fert. & mixes nec	4	3	1
<b>Subtotal other chemicals and related products</b>	<b>1</b>	<b>1</b>	—
3282 pigments & paints	0	0	—
3284 medicines	0	0	—
3285 perfumes & cleansers	0	0	—
3286 plastics	1	1	—
3291 pesticides	0	0	—
3293 explosives	0	0	—
<b>Total crude materials, inedible except fuels</b>	<b>29</b>	<b>23</b>	<b>6</b>
<b>Subtotal forest products, wood and chips</b>	<b>24</b>	<b>18</b>	<b>6</b>
4189 lumber	24	18	6
4190 forest products nec	0	0	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	—	<b>0</b>
4225 pulp & waste paper	0	—	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>0</b>	—
4338 soil & fill dirt	0	0	—
<b>Subtotal iron ore and scrap</b>	<b>5</b>	<b>4</b>	<b>0</b>
4420 iron & steel scrap	5	4	0
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>0</b>	—
4900 non-metal. min. nec	0	0	—
<b>Total primary manufactured goods</b>	<b>734</b>	<b>391</b>	<b>343</b>
<b>Subtotal paper products</b>	<b>3</b>	<b>3</b>	0
5120 paper & paperboard	0	0	—
5190 paper products nec	3	3	0
<b>Subtotal lime, cement and glass</b>	<b>36</b>	<b>36</b>	0
5220 cement & concrete	29	29	—
5240 glass & glass prod.	0	0	0
5290 misc. mineral prod.	6	6	—

KAWAIHAE HARBOR, HI  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
<b>Subtotal primary iron and steel products</b>	1	1	0
5360 i&s bars & shapes	1	1	—
5370 i&s pipe & tube	1	1	0
<b>Subtotal primary non-ferrous metal products</b>	693	351	343
5480 fab. metal products	693	351	343
<b>Subtotal primary wood products</b>	1	1	—
5540 primary wood prod.	1	1	—
<b>Total food and farm products</b>	88	75	13
<b>Subtotal fish</b>	0	0	—
6134 fish (not shellfish)	0	0	—
<b>Subtotal grain</b>	1	1	—
6442 rice	1	1	—
<b>Subtotal vegetable products</b>	1	1	0
6654 vegetables & prod.	1	1	0
<b>Subtotal processed grain and animal feed</b>	7	7	—
6746 wheat flour	0	0	—
6747 grain mill products	0	0	—
6781 hay & fodder	0	0	—
6782 animal feed, prep.	6	6	—
<b>Subtotal other agricultural products</b>	79	66	13
6811 meat, fresh, frozen	3	3	—
6822 dairy products	1	1	—
6839 animals & prod. nec	12	7	5
6857 fruit & nuts nec	1	1	—
6861 sugar	0	0	—
6865 molasses	1	1	—
6871 coffee	0	0	0
6885 alcoholic beverages	10	10	—
6887 groceries	5	5	—
6889 food products nec	44	38	6
6899 farm products nec	2	1	1
<b>Total all manufactured equipment, machinery and products</b>	215	149	66
7110 machinery (not elec)	4	2	2
7120 electrical machinery	0	0	0
7210 vehicles & parts	121	80	41
7220 aircraft & parts	0	—	0
7230 ships & boats	1	0	0
7400 manufac. wood prod.	2	2	—
7500 textile products	0	0	—
7600 rubber & plastic pr.	0	0	0
7900 manufac. prod. nec	86	64	22

KAHULUI HARBOR, MAUI, HI

Section Included: Port of Kahului. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	2,409	1993	2,216	1996	2,828	1999	3,513
1991	2,434	1994	2,368	1997	2,895		
1992	2,357	1995	2,586	1998	2,851		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic	
		Imports	Total	Coastwise	
			Receipts	Shipments	
<b>Total, all commodities</b>	3,513	34	3,479	2,125	1,353
<b>Total coal</b>	31	31	—	—	—
1100 coal lignite	31	31	—	—	—
<b>Total petroleum and petroleum products</b>	563	3	559	554	6
<b>Subtotal petroleum products</b>	563	3	559	554	6
2211 gasoline	193	—	193	193	—
2330 distillate fuel oil	225	—	225	225	1
2340 residual fuel oil	126	—	126	121	5
2350 lube oil & greases	2	—	2	2	0
2640 liquid natural gas	15	3	12	12	—
2990 petro. products nec	1	—	1	1	—
<b>Total chemicals and related products</b>	37	—	37	37	0
<b>Subtotal fertilizers</b>	22	—	22	21	0
3110 nitrogenous fert.	2	—	2	2	—
3190 fert. & mixes nec	20	—	20	20	0
<b>Subtotal other chemicals and related products</b>	15	—	15	15	0
3274 sodium hydroxide	1	—	1	1	—
3275 inorg. elem.,oxides, & halogen salts	0	—	0	0	—

KAHULUI HARBOR, MAUI, HI  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign	Domestic		
		Imports	Total	Coastwise	
			Receipts	Shipments	
3276 metallic salts	9	—	9	9	—
3281 radioactive material	0	—	0	—	0
3282 pigments & paints	1	—	1	1	0
3284 medicines	0	—	0	0	—
3285 perfumes & cleansers	2	—	2	2	0
3286 plastics	1	—	1	1	—
3291 pesticides	1	—	1	1	—
3293 explosives	0	—	0	0	—
<b>Total crude materials, inedible except fuels</b>	<b>167</b>	—	<b>167</b>	<b>134</b>	<b>32</b>
<b>Subtotal forest products, wood and chips</b>	<b>51</b>	—	<b>51</b>	<b>41</b>	<b>10</b>
4189 lumber	51	—	51	41	10
4190 forest products nec	0	—	0	0	—
<b>Subtotal pulp and waste paper</b>	<b>6</b>	—	<b>6</b>	<b>0</b>	<b>5</b>
4225 pulp & waste paper	6	—	6	0	5
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>100</b>	—	<b>100</b>	<b>85</b>	<b>15</b>
4331 sand & gravel	99	—	99	84	15
4338 soil & fill dirt	1	—	1	1	—
<b>Subtotal iron ore and scrap</b>	<b>7</b>	—	<b>7</b>	<b>5</b>	<b>2</b>
4420 iron & steel scrap	7	—	7	5	2
<b>Subtotal sulphur, clay and salt</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>—</b>
4782 clay & refrac. mat.	1	—	1	1	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>—</b>
4900 non-metal. min. nec	1	—	1	1	—
<b>Total primary manufactured goods</b>	<b>1,577</b>	—	<b>1,577</b>	<b>904</b>	<b>673</b>
<b>Subtotal paper products</b>	<b>16</b>	—	<b>16</b>	<b>15</b>	<b>0</b>
5110 newsprint	2	—	2	2	—
5120 paper & paperboard	1	—	1	1	0
5190 paper products nec	13	—	13	13	0
<b>Subtotal lime, cement and glass</b>	<b>60</b>	—	<b>60</b>	<b>60</b>	<b>0</b>
5210 lime	0	—	0	0	—
5220 cement & concrete	45	—	45	45	—
5240 glass & glass prod.	1	—	1	1	0
5290 misc. mineral prod.	14	—	14	14	—
<b>Subtotal primary iron and steel products</b>	<b>7</b>	—	<b>7</b>	<b>7</b>	<b>0</b>
5360 i&s bars & shapes	1	—	1	1	0
5370 i&s pipe & tube	6	—	6	6	0
<b>Subtotal primary non-ferrous metal products</b>	<b>1,489</b>	—	<b>1,489</b>	<b>817</b>	<b>673</b>
5480 fab. metal products	1,489	—	1,489	817	673
<b>Subtotal primary wood products</b>	<b>5</b>	—	<b>5</b>	<b>5</b>	<b>—</b>
5540 primary wood prod.	5	—	5	5	—
<b>Total food and farm products</b>	<b>646</b>	—	<b>646</b>	<b>177</b>	<b>469</b>
<b>Subtotal fish</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
6134 fish (not shellfish)	0	—	0	0	0
<b>Subtotal grain</b>	<b>3</b>	—	<b>3</b>	<b>3</b>	<b>—</b>
6442 rice	3	—	3	3	—
<b>Subtotal vegetable products</b>	<b>10</b>	—	<b>10</b>	<b>10</b>	<b>0</b>
6654 vegetables & prod.	10	—	10	10	0
<b>Subtotal processed grain and animal feed</b>	<b>12</b>	—	<b>12</b>	<b>12</b>	<b>—</b>
6746 wheat flour	1	—	1	1	—
6747 grain mill products	0	—	0	0	—
6781 hay & fodder	1	—	1	1	—
6782 animal feed, prep.	10	—	10	10	—
<b>Subtotal other agricultural products</b>	<b>621</b>	—	<b>621</b>	<b>152</b>	<b>469</b>
6811 meat, fresh, frozen	10	—	10	10	0
6822 dairy products	4	—	4	4	—
6839 animals & prod. nec	6	—	6	4	2
6857 fruit & nuts nec	2	—	2	2	—
6858 fruit juices	112	—	112	—	112
6861 sugar	237	—	237	0	237
6865 molasses	110	—	110	—	110
6871 coffee	0	—	0	0	—
6885 alcoholic beverages	22	—	22	22	—
6887 groceries	10	—	10	10	—
6889 food products nec	106	—	106	99	7
6899 farm products nec	2	—	2	2	0
<b>Total all manufactured equipment, machinery and products</b>	<b>492</b>	<b>0</b>	<b>492</b>	<b>320</b>	<b>173</b>
7110 machinery (not elec)	16	—	16	8	8
7120 electrical machinery	1	—	1	1	0
7210 vehicles & parts	243	—	243	150	94
7220 aircraft & parts	0	—	0	0	—
7230 ships & boats	1	—	1	1	0
7400 manufac. wood prod.	2	—	2	2	0
7500 textile products	1	—	1	1	0
7600 rubber & plastic pr.	1	—	1	1	0
7900 manufac. prod. nec	227	0	227	156	71
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>—</b>
9900 unknown or nec	0	—	0	0	—

BARBERS POINT HARBOR, OAHU, HI

Section Included: Barbers Point Harbor. Controlling Depth: 42 feet in the entrance channel and 37 feet in the main access channel and basin.  
 Projects Depth: 42 feet in the entrance channel; 38 feet in the deep-draft harbor main access channel and basin; 21 feet in light-draft harbor basin.  
 Deep draft anchorage(foreign and pipeline).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	8,034	1993	9,357	1996	8,745	1999	8,707
1991	9,002	1994	9,022	1997	8,162		
1992	8,824	1995	8,233	1998	6,658		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Imports	Domestic			Internal Intra Upbound		
		Imports	Exports		Total	Coastwise				
						Receipts	Shipments			
<b>Total, all commodities</b>	<b>8,707</b>	<b>4,942</b>	<b>296</b>	<b>53</b>	<b>3,416</b>	<b>2,237</b>	<b>1,170</b>	<b>9</b>		
<b>Total coal</b>	<b>298</b>	<b>298</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
1100 coal lignite	298	298	—	—	—	—	—	—		
<b>Total petroleum and petroleum products</b>	<b>8,116</b>	<b>4,460</b>	<b>244</b>	<b>53</b>	<b>3,359</b>	<b>2,235</b>	<b>1,114</b>	<b>9</b>		
<b>Subtotal crude petroleum</b>	<b>6,331</b>	<b>4,195</b>	<b>—</b>	<b>—</b>	<b>2,136</b>	<b>2,136</b>	<b>—</b>	<b>—</b>		
2100 crude petroleum	6,331	4,195	—	—	2,136	2,136	—	—		
<b>Subtotal petroleum products</b>	<b>1,785</b>	<b>264</b>	<b>244</b>	<b>53</b>	<b>1,223</b>	<b>99</b>	<b>1,114</b>	<b>9</b>		
2211 gasoline	536	112	—	53	371	8	364	—		
2221 kerosene	15	15	—	—	—	—	—	—		
2330 distillate fuel oil	337	13	—	—	323	48	276	—		
2340 residual fuel oil	446	—	—	—	446	5	436	5		
2350 lube oil & greases	5	—	—	—	5	0	—	4		
2429 naphtha & solvents	381	124	244	—	13	—	13	—		
2430 asphalt, tar & pitch	38	—	—	—	38	38	—	—		
2640 liquid natural gas	27	—	—	—	27	1	26	—		
<b>Total chemicals and related products</b>	<b>6</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
<b>Subtotal other chemicals and related products</b>	<b>6</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
3299 chem. products nec	6	—	6	—	—	—	—	—		
<b>Total crude materials, inedible except fuels</b>	<b>46</b>	<b>—</b>	<b>46</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>		
<b>Subtotal iron ore and scrap</b>	<b>46</b>	<b>—</b>	<b>46</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>		
4420 iron & steel scrap	46	—	46	—	1	1	—	—		
<b>Total primary manufactured goods</b>	<b>239</b>	<b>183</b>	<b>0</b>	<b>—</b>	<b>55</b>	<b>—</b>	<b>55</b>	<b>—</b>		
<b>Subtotal lime, cement and glass</b>	<b>237</b>	<b>181</b>	<b>—</b>	<b>—</b>	<b>55</b>	<b>—</b>	<b>55</b>	<b>—</b>		
5220 cement & concrete	237	181	—	—	55	—	55	—		
<b>Subtotal primary iron and steel products</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
5360 i&s bars & shapes	3	2	0	—	—	—	—	—		
<b>Total food and farm products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
<b>Subtotal other agricultural products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
6885 alcoholic beverages	0	0	—	—	—	—	—	—		
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>		
7110 machinery (not elec)	0	—	0	—	—	—	—	—		
7210 vehicles & parts	0	0	—	—	—	—	—	—		
7400 manufac. wood prod.	1	—	—	—	1	1	—	—		

HONOLULU HARBOR, OAHU, HI

Section Included: Port of Honolulu. Controlling Depth: 45.0 feet in the entrance channel; 40.0 feet in the main harbor basin; 40.0 feet in Kapalama Basin; 40.0 feet in the connecting channel. Project Depth: 45.0 feet in the entrance channel; 40.0 feet in harbor basin, connecting channel; 23.0 feet in Kalihi Channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	11,341	1993	10,595	1996	12,010	1999	12,259
1991	11,208	1994	11,672	1997	12,704		
1992	11,522	1995	11,545	1998	13,723		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Imports	Domestic			Internal Intraport		
		Imports*	Exports*		Total	Coastwise				
						Receipts	Shipments			
<b>Total, all commodities</b>	<b>12,259</b>	<b>1,391</b>	<b>310</b>	<b>48</b>	<b>10,510</b>	<b>5,551</b>	<b>4,884</b>	<b>74</b>		
<b>Total coal</b>	<b>293</b>	<b>293</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>		
1100 coal lignite	293	293	—	—	—	—	—	—		
1200 coal coke	0	—	—	—	0	0	—	—		
<b>Total petroleum and petroleum products</b>	<b>1,747</b>	<b>837</b>	<b>222</b>	<b>5</b>	<b>683</b>	<b>277</b>	<b>331</b>	<b>74</b>		
<b>Subtotal crude petroleum</b>	<b>784</b>	<b>784</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>		
2100 crude petroleum	784	784	—	—	—	—	—	—		
<b>Subtotal petroleum products</b>	<b>963</b>	<b>53</b>	<b>222</b>	<b>5</b>	<b>683</b>	<b>277</b>	<b>331</b>	<b>74</b>		
2211 gasoline	93	—	7	—	86	19	61	6		
2221 kerosene	7	7	—	—	—	—	—	—		
2330 distillate fuel oil	166	13	1	5	147	2	143	2		
2340 residual fuel oil	415	—	—	—	415	241	108	66		
2350 lube oil & greases	10	—	1	—	9	5	4	—		
2429 naphtha & solvents	246	33	213	—	—	—	—	—		
2540 petroleum coke	0	0	—	—	0	0	—	—		
2640 liquid natural gas	12	0	0	—	12	1	11	—		
2990 petro. products nec	13	—	—	—	13	10	3	—		
<b>Total chemicals and related products</b>	<b>233</b>	<b>6</b>	<b>1</b>	<b>—</b>	<b>227</b>	<b>152</b>	<b>75</b>	<b>—</b>		
<b>Subtotal fertilizers</b>	<b>129</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>128</b>	<b>68</b>	<b>60</b>	<b>—</b>		
3110 nitrogenous fert.	2	—	—	—	2	2	—	—		
3130 potassic fert.	0	—	—	—	0	0	—	—		
3190 fert. & mixes nec	126	1	0	—	126	66	60	—		
<b>Subtotal other chemicals and related products</b>	<b>104</b>	<b>5</b>	<b>0</b>	<b>—</b>	<b>99</b>	<b>84</b>	<b>15</b>	<b>—</b>		
3211 acyclic hydrocarbons	0	0	—	—	—	—	—	—		
3220 alcohols	0	—	—	—	0	0	—	—		
3230 carboxylic acids	4	—	—	—	4	4	0	—		
3240 nitrogen func. comp.	0	0	—	—	—	—	—	—		
3260 organic comp. nec	0	0	—	—	0	0	—	—		
3274 sodium hydroxide	8	—	—	—	8	8	—	—		
3275 inorg. elem.,oxides, & halogen salts	4	0	—	—	4	4	0	—		
3276 metallic salts	0	0	0	—	—	—	—	—		
3281 radioactive material	2	—	—	—	2	0	2	—		
3282 pigments & paints	17	0	0	—	17	15	2	—		
3283 coloring mat. nec	0	—	—	—	0	0	—	—		
3284 medicines	5	0	—	—	5	5	0	—		
3285 perfumes & cleansers	39	0	0	—	38	34	4	—		
3286 plastics	12	1	0	—	10	8	2	—		
3291 pesticides	3	0	—	—	3	2	1	—		
3292 starches, gluten, glue	0	0	—	—	0	—	0	—		
3293 explosives	5	3	—	—	2	1	1	—		
3298 wood & resin chem.	0	—	—	—	0	0	—	—		
3299 chem. products nec	6	0	—	—	6	4	2	—		
<b>Total crude materials, inedible except fuels</b>	<b>587</b>	<b>17</b>	<b>71</b>	<b>—</b>	<b>498</b>	<b>217</b>	<b>281</b>	<b>—</b>		
<b>Subtotal forest products, wood and chips</b>	<b>326</b>	<b>1</b>	<b>2</b>	<b>—</b>	<b>324</b>	<b>181</b>	<b>142</b>	<b>—</b>		
4150 fuel wood	0	0	—	—	—	—	—	—		
4170 wood in the rough	2	0	0	—	1	1	—	—		
4189 lumber	322	0	2	—	320	178	141	—		
4190 forest products nec	3	0	0	—	3	2	1	—		
<b>Subtotal pulp and waste paper</b>	<b>59</b>	<b>—</b>	<b>44</b>	<b>—</b>	<b>14</b>	<b>9</b>	<b>6</b>	<b>—</b>		
4225 pulp & waste paper	59	—	44	—	14	9	6	—		
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>135</b>	<b>16</b>	<b>15</b>	<b>—</b>	<b>104</b>	<b>16</b>	<b>88</b>	<b>—</b>		
4310 building stone	0	0	—	—	0	—	0	—		
4323 gypsum	16	16	—	—	—	—	—	—		
4331 sand & gravel	108	0	15	—	93	9	84	—		
4338 soil & fill dirt	11	—	—	—	11	7	4	—		
<b>Subtotal iron ore and scrap</b>	<b>53</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>48</b>	<b>5</b>	<b>43</b>	<b>—</b>		
4420 iron & steel scrap	53	—	5	—	48	5	43	—		

HONOLULU HARBOR, OAHU, HI  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports*	Imports	Total	Coastwise	Internal	
					Receipts	Shipments	Intraport	
<b>Subtotal non-ferrous ores and scrap</b>	1	—	1	—	0	0	0	—
4630 copper ore	0	—	—	—	0	0	—	—
4680 non-ferrous scrap	1	—	1	—	0	—	0	—
<b>Subtotal sulphur, clay and salt</b>	5	—	4	—	0	0	—	—
4741 sulphur, (dry)	4	—	4	—	—	—	—	—
4782 clay & refrac. mat.	0	—	—	—	0	0	—	—
<b>Subtotal other non-metal. min.</b>	9	1	—	—	9	7	2	—
4900 non-metal. min. nec	9	1	—	—	9	7	2	—
<b>Total primary manufactured goods</b>	4,382	139	3	14	4,226	1,992	2,235	—
<b>Subtotal paper products</b>	153	2	2	14	135	95	40	—
5110 newsprint	20	0	—	14	6	4	2	—
5120 paper & paperboard	23	1	0	—	21	19	2	—
5190 paper products nec	110	0	2	—	108	73	35	—
<b>Subtotal lime, cement and glass</b>	323	127	0	—	196	108	87	—
5210 lime	0	—	—	—	0	0	0	—
5220 cement & concrete	188	121	—	—	67	14	53	—
5240 glass & glass prod.	8	1	—	—	7	2	5	—
5290 misc. mineral prod.	126	5	0	—	121	93	28	—
<b>Subtotal primary iron and steel products</b>	45	6	0	—	39	22	18	—
5312 pig iron	0	—	—	—	0	0	—	—
5330 i&s plates & sheets	1	—	0	—	1	1	—	—
5360 i&s bars & shapes	25	5	0	—	20	16	4	—
5370 i&s pipe & tube	19	0	0	—	19	5	14	—
5390 primary i&s nec	0	0	—	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	3,808	3	0	0	3,805	1,727	2,078	—
5421 copper	0	—	0	—	—	—	—	—
5422 aluminum	0	0	0	—	0	0	—	—
5480 fab. metal products	3,808	3	0	0	3,805	1,727	2,078	—
<b>Subtotal primary wood products</b>	53	1	1	—	51	39	12	—
5540 primary wood prod.	53	1	1	—	51	39	12	—
<b>Total food and farm products</b>	2,199	55	10	29	2,105	1,283	821	—
<b>Subtotal fish</b>	9	4	0	—	6	5	1	—
6134 fish (not shellfish)	7	2	0	—	6	5	1	—
6136 shellfish	2	2	0	—	—	—	—	—
<b>Subtotal grain</b>	79	3	0	29	47	37	10	—
6241 wheat	29	—	—	29	—	—	—	—
6344 corn	0	—	—	—	0	0	—	—
6442 rice	50	3	0	—	47	37	10	—
6443 barley & rye	0	—	—	—	0	0	—	—
<b>Subtotal oilseeds</b>	0	0	—	—	0	0	—	—
6521 peanuts	0	—	—	—	0	0	—	—
6522 soybeans	0	0	—	—	—	—	—	—
6534 flaxseed	0	—	—	—	0	0	—	—
<b>Subtotal vegetable products</b>	134	5	0	—	128	99	30	—
6653 vegetable oils	0	0	0	—	0	0	—	—
6654 vegetables & prod.	134	5	0	—	128	99	30	—
<b>Subtotal processed grain and animal feed</b>	142	3	2	—	137	102	35	—
6746 wheat flour	28	0	1	—	27	23	4	—
6747 grain mill products	7	3	0	—	4	4	1	—
6781 hay & fodder	3	—	—	—	3	2	2	—
6782 animal feed, prep.	103	0	0	—	103	74	29	—
<b>Subtotal other agricultural products</b>	1,834	40	7	—	1,787	1,040	746	—
6811 meat, fresh, frozen	121	5	1	—	114	91	23	—
6817 meat, prepared	5	0	0	—	5	5	—	—
6822 dairy products	48	1	0	—	47	40	7	—
6835 fish, prepared	2	2	—	—	—	—	—	—
6838 tallow, animal oils	0	—	—	—	0	0	—	—
6839 animals & prod. nec	47	0	0	—	47	23	24	—
6856 bananas & plantains	5	—	0	—	5	5	0	—
6857 fruit & nuts nec	62	2	0	—	60	54	6	—
6858 fruit juices	277	3	3	—	271	115	156	—
6861 sugar	2	0	—	—	2	1	1	—
6865 molasses	317	—	—	—	317	157	160	—
6871 coffee	7	0	0	—	7	4	3	—
6885 alcoholic beverages	225	23	0	—	202	151	51	—
6887 groceries	118	—	—	—	118	89	30	—
6888 water & ice	1	—	1	—	—	—	—	—
6889 food products nec	548	5	1	—	542	269	273	—
6891 tobacco & products	1	0	0	—	1	1	0	—
6894 natural fibers nec	0	—	—	—	0	0	—	—
6899 farm products nec	48	0	—	—	48	35	13	—

HONOLULU HARBOR, OAHU, HI  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic			Internal Inraport		
		Imports*	Exports*		Total	Coastwise				
						Receipts	Shipments			
<b>Total all manufactured equipment, machinery and products</b>	<b>2,805</b>	<b>44</b>	<b>3</b>	—	<b>2,758</b>	<b>1,623</b>	<b>1,135</b>	—		
7110 machinery (not elec)	183	1	2	—	180	105	75	—		
7120 electrical machinery	21	1	1	—	19	16	3	—		
7210 vehicles & parts	890	21	0	—	868	374	494	—		
7220 aircraft & parts	0	0	—	—	0	0	0	—		
7230 ships & boats	4	0	0	—	4	1	3	—		
7300 ordnance & access.	0	—	—	—	0	0	0	—		
7400 manufac. wood prod.	25	1	0	—	24	15	9	—		
7500 textile products	60	4	0	—	56	47	8	—		
7600 rubber & plastic pr.	18	5	0	—	12	9	3	—		
7900 manufac. prod. nec	1,604	10	0	—	1,594	1,055	539	—		
<b>Total unknown or not elsewhere classified</b>	<b>13</b>	<b>0</b>	<b>0</b>	—	<b>12</b>	<b>6</b>	<b>6</b>	—		
9900 unknown or nec	13	0	0	—	12	6	6	—		

\*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

NAWILIWILI HARBOR, KAUAI, HI

Section Included: Port of Nawiliwili. Controlling Depth: 41.0 feet in the outer channel; 41.0 feet in the inner channel; 34.0 feet in the harbor basin.  
 Project Depth: 40 feet in the channel; 35 feet in the harbor basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	959	1993	1,283	1996	1,203	1999	1,348
1991	1,005	1994	1,151	1997	1,091		
1992	1,143	1995	1,130	1998	938		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Inraport	
		Imports	Total	Coastwise				
				Receipts	Shipments			
<b>Total, all commodities</b>	<b>1,348</b>	<b>3</b>	<b>1,346</b>	<b>845</b>	<b>501</b>			
<b>Total petroleum and petroleum products</b>	<b>66</b>	<b>3</b>	<b>63</b>	<b>63</b>	<b>0</b>			
<b>Subtotal petroleum products</b>	<b>66</b>	<b>3</b>	<b>63</b>	<b>63</b>	<b>0</b>			
2211 gasoline	53	—	53	53	—			
2330 distillate fuel oil	1	—	1	1	—			
2350 lube oil & greases	1	—	1	1	0			
2640 liquid natural gas	10	3	7	7	—			
2990 petro. products nec	0	—	0	0	—			
<b>Total chemicals and related products</b>	<b>18</b>	<b>—</b>	<b>18</b>	<b>18</b>	<b>1</b>			
<b>Subtotal fertilizers</b>	<b>18</b>	<b>—</b>	<b>18</b>	<b>17</b>	<b>1</b>			
3190 fert. & mixes nec	18	—	18	17	1			
<b>Subtotal other chemicals and related products</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>			
3282 pigments & paints	0	—	0	0	—			
3284 medicines	0	—	0	0	—			
3285 perfumes & cleansers	0	—	0	0	—			
3286 plastics	0	—	0	0	—			
3291 pesticides	0	—	0	0	—			
3293 explosives	0	—	0	0	—			
<b>Total crude materials, inedible except fuels</b>	<b>34</b>	<b>—</b>	<b>34</b>	<b>31</b>	<b>3</b>			
<b>Subtotal forest products, wood and chips</b>	<b>28</b>	<b>—</b>	<b>28</b>	<b>27</b>	<b>2</b>			
4189 lumber	28	—	28	27	2			
4190 forest products nec	0	—	0	0	—			
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>			
4225 pulp & waste paper	0	—	0	0	—			
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>			
4338 soil & fill dirt	0	—	0	0	—			
<b>Subtotal iron ore and scrap</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>4</b>	<b>1</b>			
4420 iron & steel scrap	5	—	5	4	1			
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>			
4900 non-metal. min. nec	0	—	0	0	—			
<b>Total primary manufactured goods</b>	<b>746</b>	<b>—</b>	<b>746</b>	<b>481</b>	<b>265</b>			
<b>Subtotal paper products</b>	<b>4</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>0</b>			
5110 newsprint	1	—	1	1	—			
5120 paper & paperboard	0	—	0	0	—			
5190 paper products nec	3	—	3	3	0			
<b>Subtotal lime, cement and glass</b>	<b>20</b>	<b>—</b>	<b>20</b>	<b>20</b>	<b>0</b>			
5220 cement & concrete	16	—	16	16	—			
5240 glass & glass prod.	0	—	0	0	0			

NAWILIWILI HARBOR, KAUAI, HI  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic		
		Imports	Coastwise		Shipments
			Total	Receipts	
5290 misc. mineral prod.	3	—	3	3	—
<b>Subtotal primary iron and steel products</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>0</b>
5360 i&s bars & shapes	1	—	1	1	0
5370 i&s pipe & tube	2	—	2	2	0
<b>Subtotal primary non-ferrous metal products</b>	<b>718</b>	<b>—</b>	<b>718</b>	<b>453</b>	<b>265</b>
5480 fab. metal products	718	—	718	453	265
<b>Subtotal primary wood products</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>
5540 primary wood prod.	1	—	1	1	—
<b>Total food and farm products</b>	<b>239</b>	<b>—</b>	<b>239</b>	<b>83</b>	<b>155</b>
<b>Subtotal fish</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>
6134 fish (not shellfish)	0	—	0	0	—
<b>Subtotal grain</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>
6442 rice	1	—	1	1	—
<b>Subtotal vegetable products</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>0</b>
6654 vegetables & prod.	3	—	3	3	0
<b>Subtotal processed grain and animal feed</b>	<b>6</b>	<b>—</b>	<b>6</b>	<b>6</b>	<b>—</b>
6746 wheat flour	0	—	0	0	—
6781 hay & fodder	0	—	0	0	—
6782 animal feed, prep.	5	—	5	5	—
<b>Subtotal other agricultural products</b>	<b>229</b>	<b>—</b>	<b>229</b>	<b>74</b>	<b>155</b>
6811 meat, fresh, frozen	3	—	3	3	—
6822 dairy products	1	—	1	1	—
6839 animals & prod. nec	4	—	4	2	2
6857 fruit & nuts nec	2	—	2	2	0
6858 fruit juices	0	—	0	—	0
6861 sugar	102	—	102	0	102
6865 molasses	45	—	45	—	45
6871 coffee	2	—	2	0	2
6885 alcoholic beverages	9	—	9	9	—
6887 groceries	3	—	3	3	—
6889 food products nec	56	—	56	53	3
6899 farm products nec	1	—	1	1	0
<b>Total all manufactured equipment, machinery and products</b>	<b>246</b>	<b>—</b>	<b>246</b>	<b>168</b>	<b>78</b>
7110 machinery (not elec)	5	—	5	2	3
7120 electrical machinery	0	—	0	0	0
7210 vehicles & parts	128	—	128	82	46
7220 aircraft & parts	0	—	0	0	0
7230 ships & boats	0	—	0	0	0
7300 ordnance & access.	0	—	0	0	0
7400 manufac. wood prod.	1	—	1	0	0
7500 textile products	0	—	0	0	—
7600 rubber & plastic pr.	0	—	0	0	0
7800 empty containers	0	—	0	0	0
7900 manufac. prod. nec	111	—	111	84	27

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
HANA HARBOR, MAUI, HI	No Commerce Reported	
KAILUA HARBOR, OAHU, HI	No Commerce Reported	
KALAUPAPA HARBOR, MOLOKAI, HI	No Commerce Reported	
KAUNAKAKAI HARBOR, MOLOKAI, HI	3190 fert. & mixes nec 4189 lumber 5190 paper products nec 5220 cement & concrete 5240 glass & glass prod. 5360 i&s bars & shapes 5370 i&s pipe & tube 5480 fab. metal products 6839 animals & prod. nec 6889 food products nec 7210 vehicles & parts 7230 ships & boats 7300 ordnance & access. 7900 manufac. prod. nec	3 12 0 1 0 0 2 93 4 6 37 1 0 35
	<b>Total Tons(x1000)</b>	<b>195</b>
POR ALLEN HARBOR, KAUAI, HI	3110 nitrogenous fert. 3274 sodium hydroxide	3 1
	<b>Total Tons(x1000)</b>	<b>4</b>
WAKE ISLAND HARBOR, WAKE ISLAND	2211 gasoline	0
	<b>Total Tons(x1000)</b>	<b>0</b>
WELLS HARBOR, MIDWAY ISLAND	No Commerce Reported	

COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA

Section Included: Columbia River and Tributaries, McNary Lock and Dam to Kennewick, WA. Controlling Depth: 20 feet. Project Depth: 14 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	6,359	1993	7,218	1996	7,705	1999	6,767
1991	6,772	1994	7,927	1997	7,569		
1992	6,415	1995	8,582	1998	7,115		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise		Internal			
		Shipments	Inbound Upbound	Outbound Upbound	Downbnd	Through Upbound	Downbnd
<b>Total, all commodities</b>	<b>6,767</b>	<b>18</b>	<b>46</b>	<b>35</b>	<b>874</b>	<b>1,775</b>	<b>4,019</b>
<b>Total petroleum and petroleum products</b>	<b>1,737</b>	—	—	—	—	<b>1,735</b>	<b>2</b>
<b>Subtotal petroleum products</b>	<b>1,737</b>	—	—	—	—	<b>1,735</b>	<b>2</b>
2211 gasoline	1,192	—	—	—	—	1,192	—
2330 distillate fuel oil	545	—	—	—	—	543	2
<b>Total chemicals and related products</b>	<b>138</b>	<b>15</b>	<b>33</b>	<b>35</b>	<b>21</b>	<b>22</b>	<b>13</b>
<b>Subtotal fertilizers</b>	<b>76</b>	<b>15</b>	—	22	16	10	12
3110 nitrogenous fert.	21	15	—	3	—	—	3
3190 fert. & mixes nec	55	—	—	19	16	10	10
<b>Subtotal other chemicals and related products</b>	<b>63</b>	—	<b>33</b>	<b>13</b>	<b>5</b>	<b>12</b>	<b>0</b>
3273 ammonia	29	—	—	13	5	12	—
3274 sodium hydroxide	33	—	33	—	—	—	—
3286 plastics	0	—	—	—	0	—	0
<b>Total crude materials, inedible except fuels</b>	<b>447</b>	—	—	—	3	0	<b>444</b>
<b>Subtotal forest products, wood and chips</b>	<b>417</b>	—	—	—	3	0	<b>415</b>
4150 fuel wood	1	—	—	—	—	—	1
4161 wood chips	405	—	—	—	—	—	405
4170 wood in the rough	10	—	—	—	3	—	8
4189 lumber	0	—	—	—	—	0	—
<b>Subtotal pulp and waste paper</b>	<b>14</b>	—	—	—	—	—	<b>14</b>
4225 pulp & waste paper	14	—	—	—	—	—	14
<b>Subtotal iron ore and scrap</b>	<b>11</b>	—	—	—	—	—	<b>11</b>
4420 iron & steel scrap	11	—	—	—	—	—	11
<b>Subtotal sulphur, clay and salt</b>	<b>3</b>	—	—	—	—	—	<b>3</b>
4782 clay & refrac. mat.	3	—	—	—	—	—	3
<b>Subtotal other non-metal. min.</b>	<b>1</b>	—	—	—	—	—	<b>1</b>
4900 non-metal. min. nec	1	—	—	—	—	—	1
<b>Total primary manufactured goods</b>	<b>72</b>	—	<b>0</b>	—	<b>0</b>	<b>2</b>	<b>70</b>
<b>Subtotal paper products</b>	<b>70</b>	—	—	—	—	—	<b>70</b>
5190 paper products nec	70	—	—	—	—	—	70
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	—	<b>0</b>	—
5290 misc. mineral prod.	0	—	0	—	—	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>2</b>	—	—	—	<b>0</b>	<b>1</b>	<b>0</b>
5480 fab. metal products	2	—	—	—	0	1	0
<b>Total food and farm products</b>	<b>4,296</b>	—	<b>0</b>	—	<b>834</b>	<b>0</b>	<b>3,462</b>
<b>Subtotal grain</b>	<b>4,150</b>	—	<b>0</b>	—	<b>722</b>	—	<b>3,429</b>
6241 wheat	3,899	—	—	—	710	—	3,189
6344 corn	3	—	0	—	3	—	—
6443 barley & rye	248	—	—	—	9	—	239
<b>Subtotal vegetable products</b>	<b>43</b>	—	—	—	<b>10</b>	<b>0</b>	<b>33</b>
6654 vegetables & prod.	43	—	—	—	10	0	33
<b>Subtotal processed grain and animal feed</b>	<b>68</b>	—	—	—	<b>68</b>	—	—
6781 hay & fodder	68	—	—	—	68	—	—
<b>Subtotal other agricultural products</b>	<b>35</b>	—	—	—	<b>35</b>	—	<b>0</b>
6822 dairy products	28	—	—	—	28	—	—
6839 animals & prod. nec	3	—	—	—	3	—	—
6889 food products nec	0	—	—	—	—	—	0
6899 farm products nec	4	—	—	—	4	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>77</b>	<b>3</b>	<b>12</b>	—	<b>16</b>	<b>17</b>	<b>29</b>
7800 empty containers	50	3	12	—	16	16	2
7900 manufac. prod. nec	27	—	—	—	—	1	26
<b>Ton-miles (x1000)</b>	<b>229,094</b>	<b>588</b>	<b>1,308</b>	<b>93</b>	<b>24,309</b>	<b>62,117</b>	<b>140,679</b>
<b>Tons All Traffic (x1000)</b>			<b>6,767</b>				
<b>Ton-miles All Traffic (x1000)</b>			<b>229,094</b>				

SNAKE RIVER, OR, WA AND ID

Section Included: Mouth of Snake River to Johnson Bar Landing. Controlling Depth: 14 feet from mouth to Ice Harbor Lock Approach Channel; 14 feet in Ice Harbor Approach Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental approach channel; 14 feet within lower monumental pool; 14 feet in Little Goose Approach Channel; 14 feet within Little Goose Pool; 14 feet in Lower Granite Approach Channel; 14 feet within Lower Granite Pool; about 3 feet from head of Lower Granite Pool to Johnson Bar Landing. Project Depth: 14 feet from mouth to the Ice Harbor approach channel; 14 feet in Ice Harbor Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental Approach channel; 14 feet within Lower Monumental Pool; 14 feet in Little Goose Approach Channel; 14 feet in Little Goose channel; 14 feet within Little Goose pool; 14 feet in Lower Granite approach channel; 14 feet in Lower Granite Channel; 14 feet within Lower Granite Pool; 2 feet to Johnson Bar Landing.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	4,804	1993	5,339	1996	5,707	1999	5,836
1991	5,053	1994	5,929	1997	6,103		
1992	4,719	1995	6,804	1998	5,840		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal				
		Inbound Upbound	Outbound Downbnd	Through Upbound	Through Downbnd	Intra Upbound
<b>Total, all commodities</b>	<b>5,836</b>	<b>1,797</b>	<b>3,072</b>	<b>18</b>	<b>947</b>	<b>2</b>
<b>Total petroleum and petroleum products</b>	<b>1,739</b>	<b>1,735</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>2</b>
<b>Subtotal petroleum products</b>	<b>1,739</b>	<b>1,735</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>2</b>
2211 gasoline	1,193	1,192	—	—	—	1
2330 distillate fuel oil	546	543	2	—	—	1
<b>Total chemicals and related products</b>	<b>74</b>	<b>62</b>	<b>12</b>	<b>—</b>	<b>0</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>45</b>	<b>32</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	6	3	3	—	—	—
3190 fert. & mixes nec	39	29	10	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>29</b>	<b>29</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
3273 ammonia	29	29	—	—	—	—
3286 plastics	0	—	—	—	0	—
<b>Total crude materials, inedible except fuels</b>	<b>445</b>	<b>—</b>	<b>347</b>	<b>0</b>	<b>97</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>415</b>	<b>—</b>	<b>336</b>	<b>0</b>	<b>79</b>	<b>—</b>
4150 fuel wood	1	—	1	—	—	—
4161 wood chips	405	—	326	—	79	—
4170 wood in the rough	8	—	8	—	—	—
4189 lumber	0	—	—	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>14</b>	<b>—</b>
4225 pulp & waste paper	14	—	—	—	14	—
<b>Subtotal iron ore and scrap</b>	<b>11</b>	<b>—</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	11	—	11	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>
4782 clay & refrac. mat.	3	—	—	—	3	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>
4900 non-metal. min. nec	1	—	—	—	1	—
<b>Total primary manufactured goods</b>	<b>71</b>	<b>0</b>	<b>—</b>	<b>2</b>	<b>70</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>70</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>70</b>	<b>—</b>
5190 paper products nec	70	—	—	—	70	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5290 misc. mineral prod.	0	—	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>—</b>
5480 fab. metal products	2	0	—	1	0	—
<b>Total food and farm products</b>	<b>3,462</b>	<b>—</b>	<b>2,711</b>	<b>0</b>	<b>751</b>	<b>—</b>
<b>Subtotal grain</b>	<b>3,429</b>	<b>—</b>	<b>2,711</b>	<b>—</b>	<b>718</b>	<b>—</b>
6241 wheat	3,189	—	2,499	—	690	—
6443 barley & rye	239	—	211	—	28	—
<b>Subtotal vegetable products</b>	<b>33</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>33</b>	<b>—</b>
6654 vegetables & prod.	33	—	—	0	33	—
<b>Subtotal other agricultural products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
6889 food products nec	0	—	—	—	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>45</b>	<b>0</b>	<b>—</b>	<b>16</b>	<b>29</b>	<b>—</b>
7800 empty containers	18	0	—	16	2	—
7900 manufac. prod. nec	27	0	—	0	27	—
<b>Ton-miles (x1000)</b>	<b>390,638</b>	<b>18,286</b>	<b>231,143</b>	<b>2,653</b>	<b>138,287</b>	<b>270</b>
<b>Tons All Traffic (x1000)</b>	<b>5,836</b>					
<b>Ton-miles All Traffic (x1000)</b>	<b>390,638</b>					

## TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OR, WA, AND ID

 Freight Traffic, 1999  
 (thousand short tons)

Locality	Foreign/Canadian		Domestic				Total	Percent	Through*		
	Imports	Exports	Coastwise		Internal				Traffic		
			Receipts	Shipmnts	Receipts	Intraport					
CHINOOK CHANNEL, WA	—	—	—	—	1	—	1	0.00	—		
CLATSCHANIE RIVER, OR	—	—	—	—	—	—	—	0.00	—		
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER	6,234	23,755	4,995	494	9,791	1,678	46,946	76.22	3,959		
COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO	—	—	—	—	2,002	0	2,002	3.25	6,698		
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK A	—	—	—	18	955	—	973	1.58	5,794		
COLUMBIA RIVER AT BAKERS BAY, WA	—	—	—	—	6	—	6	0.01	—		
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLE	—	—	15	13	863	170	1,061	1.72	8,335		
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS	—	—	—	—	—	—	—	0.00	—		
COWLITZ RIVER, WA	—	—	—	—	1	—	1	0.00	—		
DEEP RIVER, WA	—	—	—	—	—	—	—	0.00	—		
ELOKOMIN SLOUGH, WA	—	—	—	—	—	—	—	0.00	—		
GRAYS RIVER, WA	—	—	—	—	—	—	—	0.00	—		
LAKE RIVER, WA	—	—	—	—	0	—	0	0.00	—		
LEWIS RIVER, WA	—	—	—	—	—	—	—	0.00	—		
MULTNOMAH CHANNEL, OR	—	—	72	—	1,130	0	1,203	1.95	—		
OREGON SLOUGH (NORTH PORTLAND HARBOR), OR	866	2,200	—	—	650	—	3,717	6.03	—		
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	—	—	—	—	0	—	0	0.00	—		
SKAMOKAWA CREEK, WA	—	—	—	—	—	—	—	0.00	—		
SKIPANON CHANNEL, OR	—	—	50	—	8	—	58	0.09	—		
SNAKE RIVER, OR, WA AND ID	—	—	—	—	4,869	2	4,871	7.91	965		
WESTPORT SLOUGH, OR	—	—	—	—	8	—	8	0.01	—		
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER	—	—	—	—	535	213	748	1.21	—		
YOUNGS BAY AND YOUNGS RIVER, OR	—	—	—	—	—	—	—	0.00	—		
TOTAL (UNADJUSTED)	7,100	25,955	5,132	526	20,818	2,063	61,594	—	25,752		
PERCENT (UNADJUSTED)	11.53	42.14	8.33	0.85	33.80	3.35	—	100.00	—		
NET VOLUME OF TONNAGE FOR THE BASIN**	7,100	25,955	5,132	526	10,925	2,063	51,701	—	—		
PERCENT (ADJUSTED)	13.73	50.20	9.93	1.02	21.13	3.99	—	100.00	—		

\* Through traffic not credited as such to total tonnage for Basin, but credited to projects or rivers where shipped or received.

\*\* Adjusted to net volume by excluding duplication of internal traffic moved between the separate waterways of the Basin.

## COLUMBIA RIVER ENTRANCE, OR AND WA

Section Included: Columbia River at mouth, OR and WA. Controlling Depth: 56 feet left outside quarter, 58 feet left inside, 46 feet right inside, and 41 feet right outside at mlw. Sand Island range: 47 feet left outside, 54 feet left inside, 50 feet right inside, and 48 feet right outside at mlw. Project Depth: 55/48 feet.

## Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	38,472	1993	37,459	1996	38,799	1999	38,779
1991	37,000	1994	37,065	1997	38,443		
1992	38,174	1995	44,041	1998	36,441		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Upbound
		Through		Through		Total	Coastwise	Internal	
		Upbound	Downbnd	Upbound	Downbnd	Through	Through	Upbound	
Total, all commodities	38,779	6,309	25,866	791	89	5,724	5,132	526	66
Total coal	12	—	12	—	—	—	—	—	—
1100 coal lignite	12	—	12	—	—	—	—	—	—

COLUMBIA RIVER ENTRANCE, OR AND WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Through		Through		Total	Coastwise			
		Upbound	Downbnd	Upbound	Downbnd		Through	Through		
<b>Total petroleum and petroleum products</b>	<b>6,305</b>	<b>1,076</b>	<b>544</b>	<b>265</b>	<b>66</b>	<b>4,354</b>	<b>4,263</b>	<b>92</b>	—	
Subtotal crude petroleum	283	256	—	—	—	27	27	—	—	
2100 crude petroleum	283	256	—	—	—	27	27	—	—	
<b>Subtotal petroleum products</b>	<b>6,022</b>	<b>821</b>	<b>544</b>	<b>265</b>	<b>66</b>	<b>4,327</b>	<b>4,236</b>	<b>92</b>	—	
2211 gasoline	3,345	546	—	96	—	2,703	2,702	1	—	
2221 kerosene	56	21	0	16	—	18	18	—	—	
2330 distillate fuel oil	1,198	51	8	130	—	1,010	987	23	—	
2340 residual fuel oil	359	15	—	23	—	322	278	44	—	
2350 lube oil & greases	112	0	1	—	—	111	111	—	—	
2410 petro. jelly & waxes	0	—	0	—	—	—	—	—	—	
2429 naphtha & solvents	26	16	—	—	—	9	—	9	—	
2430 asphalt, tar & pitch	326	171	1	—	—	155	140	14	—	
2540 petroleum coke	600	—	533	—	66	—	—	—	—	
<b>Total chemicals and related products</b>	<b>5,283</b>	<b>362</b>	<b>4,490</b>	<b>38</b>	<b>22</b>	<b>371</b>	<b>259</b>	<b>112</b>	—	
Subtotal fertilizers	2,374	169	2,043	12	0	150	104	46	—	
3110 nitrogenous fert.	340	148	30	12	—	150	104	46	—	
3130 potassic fert.	2,013	—	2,013	—	0	—	—	—	—	
3190 fert. & mixes nec	21	21	0	—	—	—	—	—	—	
<b>Subtotal other chemicals and related products</b>	<b>2,910</b>	<b>193</b>	<b>2,448</b>	<b>26</b>	<b>22</b>	<b>221</b>	<b>155</b>	<b>66</b>	—	
3211 acyclic hydrocarbons	0	0	—	—	—	—	—	—	—	
3212 benzene & toluene	96	22	—	—	—	74	74	—	—	
3219 other hydrocarbons	0	0	0	—	—	—	—	—	—	
3220 alcohols	140	118	2	5	—	15	2	13	—	
3230 carboxylic acids	5	1	5	—	—	—	—	—	—	
3240 nitrogen func. comp.	1	0	1	—	0	—	—	—	—	
3250 organo - inorg. comp.	1	1	0	—	0	—	—	—	—	
3260 organic comp. nec	2	0	2	—	—	—	—	—	—	
3272 sulphuric acid	1	1	0	—	—	0	—	0	—	
3273 ammonia	75	0	—	12	—	63	40	23	—	
3274 sodium hydroxide	105	3	9	3	22	68	39	29	—	
3275 inorg. elem., oxides, & halogen salts	27	25	3	—	—	—	—	—	—	
3276 metallic salts	2,390	7	2,383	—	—	—	—	—	—	
3279 inorganic chem. nec	1	1	0	—	—	—	—	—	—	
3281 radioactive material	0	0	—	—	—	—	—	—	—	
3282 pigments & paints	2	1	1	—	—	—	—	—	—	
3283 coloring mat. nec	0	0	0	—	—	—	—	—	—	
3284 medicines	0	0	0	—	—	—	—	—	—	
3285 perfumes & cleansers	6	2	4	—	0	—	—	—	—	
3286 plastics	21	7	13	—	0	1	—	1	—	
3291 pesticides	0	0	0	—	—	—	—	—	—	
3292 starches, gluten, glue	2	0	1	—	—	—	—	—	—	
3293 explosives	1	1	0	—	—	—	—	—	—	
3297 chemical additives	1	0	1	—	—	—	—	—	—	
3298 wood & resin chem.	26	—	19	6	—	—	—	—	—	

COLUMBIA RIVER ENTRANCE, OR AND WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Through Upbound
		Through		Through		Total	Coastwise	Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	
3299 chem. products nec	6	3	3	—	0	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>5,971</b>	<b>1,869</b>	<b>2,729</b>	<b>488</b>	<b>0</b>	<b>886</b>	<b>610</b>	<b>276</b>	—
<b>Subtotal forest products, wood and chips</b>	<b>3,034</b>	<b>142</b>	<b>1,989</b>	<b>20</b>	<b>—</b>	<b>882</b>	<b>606</b>	<b>276</b>	—
4110 rubber & gums	1	1	—	—	—	—	—	—	—
4150 fuel wood	3	—	3	—	—	—	—	—	—
4161 wood chips	530	—	0	20	—	510	464	46	—
4170 wood in the rough	1,862	0	1,699	—	—	163	142	21	—
4189 lumber	638	141	288	—	—	209	0	209	—
4190 forest products nec	0	0	0	—	—	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>358</b>	<b>26</b>	<b>332</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—
4225 pulp & waste paper	358	26	332	—	—	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>469</b>	<b>0</b>	<b>1</b>	<b>467</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—
4310 building stone	0	0	—	—	—	—	—	—	—
4322 limestone	468	—	0	467	—	—	—	—	—
4323 gypsum	0	0	0	—	—	—	—	—	—
4331 sand & gravel	1	0	1	—	—	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>61</b>	<b>—</b>	<b>57</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>—</b>	—
4420 iron & steel scrap	61	—	57	—	—	4	4	—	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—
4515 marine shells	0	0	—	—	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>1,412</b>	<b>1,319</b>	<b>92</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	—
4630 copper ore	23	—	23	—	—	—	—	—	—
4650 aluminum ore	1,315	1,314	1	—	—	—	—	—	—
4680 non-ferrous scrap	26	0	26	—	0	—	—	—	—
4690 non-ferrous ores nec	48	5	43	—	—	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>223</b>	<b>3</b>	<b>221</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—
4741 sulphur, (dry)	0	—	0	—	—	—	—	—	—
4782 clay & refrac. mat.	223	3	221	—	—	—	—	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—
4860 slag	0	—	0	—	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>414</b>	<b>378</b>	<b>36</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	—
4900 non-metal. min. nec	414	378	36	—	—	—	—	—	—
<b>Total primary manufactured goods</b>	<b>3,037</b>	<b>2,219</b>	<b>776</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>0</b>	<b>42</b>	—
<b>Subtotal paper products</b>	<b>745</b>	<b>20</b>	<b>703</b>	<b>—</b>	<b>—</b>	<b>22</b>	<b>—</b>	<b>22</b>	—
5110 newsprint	382	10	372	—	—	—	—	—	—
5120 paper & paperboard	334	9	325	—	—	—	—	—	—
5190 paper products nec	28	1	5	—	—	22	—	22	—
<b>Subtotal lime, cement and glass</b>	<b>560</b>	<b>541</b>	<b>19</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	—
5220 cement & concrete	518	514	4	—	—	—	—	—	—
5240 glass & glass prod.	4	3	1	—	—	0	—	0	—
5290 misc. mineral prod.	38	24	14	—	0	0	0	—	—
<b>Subtotal primary iron and steel products</b>	<b>1,592</b>	<b>1,577</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>13</b>	—
5312 pig iron	51	50	1	—	—	—	—	—	—
5315 ferro alloys	49	49	0	—	—	—	—	—	—
5320 i&s primary forms	536	536	0	—	—	—	—	—	—

COLUMBIA RIVER ENTRANCE, OR AND WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Total	Domestic		Internal		
		Through		Through			Coastwise				
		Upbound	Downbnd	Upbound	Downbnd		Through	Upbound			
5330 i&s plates & sheets	634	631	2	—	—	0	—	0	—		
5360 i&s bars & shapes	84	75	0	—	—	9	—	9	—		
5370 i&s pipe & tube	70	66	0	—	—	3	—	3	—		
5390 primary i&s nec	169	169	—	—	—	—	—	—	—		
<b>Subtotal primary non-ferrous metal products</b>	<b>43</b>	<b>35</b>	<b>8</b>	—	0	—	—	—	—		
5421 copper	2	2	0	—	—	—	—	—	—		
5422 aluminum	3	0	2	—	0	—	—	—	—		
5429 smelted prod. nec	3	1	2	—	—	—	—	—	—		
5480 fab. metal products	35	32	3	—	0	—	—	—	—		
<b>Subtotal primary wood products</b>	<b>97</b>	<b>46</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>7</b>	—	<b>7</b>	—		
5540 primary wood prod.	97	46	43	0	0	7	—	7	—		
<b>Total food and farm products</b>	<b>17,365</b>	<b>83</b>	<b>17,215</b>	<b>1</b>	<b>0</b>	<b>66</b>	—	—	<b>66</b>		
<b>Subtotal fish</b>	<b>72</b>	<b>3</b>	<b>2</b>	<b>1</b>	—	<b>66</b>	—	—	<b>66</b>		
6134 fish (not shellfish)	63	0	2	1	—	60	—	—	60		
6136 shellfish	9	3	—	—	—	6	—	—	6		
<b>Subtotal grain</b>	<b>15,022</b>	<b>2</b>	<b>15,020</b>	—	—	—	—	—	—		
6241 wheat	10,875	—	10,875	—	—	—	—	—	—		
6344 corn	3,589	0	3,589	—	—	—	—	—	—		
6442 rice	3	2	1	—	—	—	—	—	—		
6443 barley & rye	466	—	466	—	—	—	—	—	—		
6445 oats	0	—	0	—	—	—	—	—	—		
6447 sorghum grains	88	—	88	—	—	—	—	—	—		
<b>Subtotal oilseeds</b>	<b>506</b>	<b>25</b>	<b>480</b>	—	—	—	—	—	—		
6522 soybeans	420	—	420	—	—	—	—	—	—		
6590 oilseeds nec	86	25	61	—	—	—	—	—	—		
<b>Subtotal vegetable products</b>	<b>289</b>	<b>8</b>	<b>281</b>	—	—	—	—	—	—		
6653 vegetable oils	3	2	1	—	—	—	—	—	—		
6654 vegetables & prod.	286	6	279	—	—	—	—	—	—		
<b>Subtotal processed grain and animal feed</b>	<b>1,306</b>	<b>3</b>	<b>1,302</b>	—	<b>0</b>	—	—	—	—		
6746 wheat flour	22	—	22	—	—	—	—	—	—		
6747 grain mill products	59	1	58	—	0	—	—	—	—		
6781 hay & fodder	651	—	651	—	—	—	—	—	—		
6782 animal feed, prep.	573	2	571	—	—	—	—	—	—		
<b>Subtotal other agricultural products</b>	<b>171</b>	<b>41</b>	<b>130</b>	—	—	—	—	—	—		
6811 meat, fresh, frozen	11	0	11	—	—	—	—	—	—		
6817 meat, prepared	11	0	11	—	—	—	—	—	—		
6822 dairy products	29	0	29	—	—	—	—	—	—		
6835 fish, prepared	3	2	1	—	—	—	—	—	—		
6838 tallow, animal oils	1	0	1	—	—	—	—	—	—		
6839 animals & prod. nec	18	0	18	—	—	—	—	—	—		
6856 bananas & plantains	0	0	—	—	—	—	—	—	—		
6857 fruit & nuts nec	6	0	6	—	—	—	—	—	—		
6858 fruit juices	29	12	16	—	—	—	—	—	—		
6861 sugar	0	0	—	—	—	—	—	—	—		
6871 coffee	1	1	0	—	—	—	—	—	—		
6872 cocoa beans	0	0	0	—	—	—	—	—	—		
6885 alcoholic beverages	18	16	2	—	—	—	—	—	—		
6888 water & ice	2	2	—	—	—	—	—	—	—		
6889 food products nec	16	2	14	—	—	—	—	—	—		
6891 tobacco & products	0	—	0	—	—	—	—	—	—		

COLUMBIA RIVER ENTRANCE, OR AND WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise	Internal	
		Upbound	Downbnd	Upbound	Downbnd	Through Upbound	Through Downbnd	Through Upbound	
6893 cotton	1	—	1	—	—	—	—	—	
6894 natural fibers nec	0	0	—	—	—	—	—	—	
6899 farm products nec	24	4	20	—	—	—	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>789</b>	<b>699</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>4</b>	
7110 machinery (not elec)	42	22	18	0	0	1	1	0	—
7120 electrical machinery	38	31	7	—	0	—	—	—	—
7210 vehicles & parts	578	551	27	—	0	0	—	0	—
7220 aircraft & parts	0	0	0	—	0	—	—	—	—
7230 ships & boats	1	0	0	—	—	0	—	0	—
7300 ordnance & access.	0	—	0	—	—	—	—	—	—
7400 manufac. wood prod.	13	3	9	—	—	0	0	—	—
7500 textile products	15	11	3	—	0	—	—	—	—
7600 rubber & plastic pr.	14	12	2	—	—	—	—	—	—
7800 empty containers	3	—	—	—	—	3	—	3	—
7900 manufac. prod. nec	85	68	18	—	0	0	—	0	—
<b>Total unknown or not elsewhere classified</b>	<b>18</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
9900 unknown or nec	18	1	16	0	—	—	—	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

Section Included: Mouth to International Boundary, a distance of 745 miles. Controlling Depth: 38 feet or better between mouth of Columbia River and mouth of Willamette River; 38 feet to lower turning basin, Vancouver, WA; other channel depths range from 15 to 4 feet. Project Depth: 55/48 feet across entrance bar; 40 feet from mouth of Columbia River to mouth of Willamette River; 40 feet from mouth of Willamette River to Vancouver; Other Project Depths range from 27 to 7 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	51,438	1993	51,243	1996	51,181	<b>1999</b>	<b>50,733</b>
1991	50,446	1994	50,912	1997	52,722		
1992	51,641	1995	57,124	1998	49,076		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through Upbound	Through Downbnd	Imports	Exports	Through Upbound	Through Downbnd
<b>Total, all commodities</b>	<b>33,055</b>	<b>2,345</b>	<b>14,148</b>	<b>3,964</b>	<b>11,718</b>	<b>57</b>	<b>66</b>	<b>734</b>	<b>22</b>
<b>Total coal</b>	<b>12</b>	<b>—</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
1100 coal lignite	12	—	12	—	—	—	—	—	—
<b>Total petroleum and petroleum products</b>	<b>1,951</b>	<b>191</b>	<b>534</b>	<b>886</b>	<b>9</b>	<b>27</b>	<b>66</b>	<b>237</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>256</b>	<b>—</b>	<b>—</b>	<b>256</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	256	—	—	256	—	—	—	—	—
<b>Subtotal petroleum products</b>	<b>1,695</b>	<b>191</b>	<b>534</b>	<b>630</b>	<b>9</b>	<b>27</b>	<b>66</b>	<b>237</b>	<b>—</b>
2211 gasoline	642	30	—	517	—	—	—	96	—
2221 kerosene	38	—	—	21	0	16	—	—	—
2330 distillate fuel oil	189	—	—	51	8	11	—	119	—
2340 residual fuel oil	37	—	—	15	—	—	—	23	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through Upbound	Through Downbnd	Imports	Exports	Through Upbound	Through Downbnd
2350 lube oil & greases	1	—	0	0	1	—	—	—	—
2410 petro. jelly & waxes	0	—	—	—	0	—	—	—	—
2429 naphta & solvents	16	—	—	16	—	—	—	—	—
2430 asphalt, tar & pitch	172	161	1	10	—	—	—	—	—
2540 petroleum coke	600	—	533	—	0	—	66	—	—
<b>Total chemicals and related products</b>	<b>4,912</b>	<b>144</b>	<b>719</b>	<b>217</b>	<b>3,771</b>	<b>9</b>	<b>0</b>	<b>30</b>	<b>22</b>
<b>Subtotal fertilizers</b>	<b>2,224</b>	<b>83</b>	<b>90</b>	<b>86</b>	<b>1,952</b>	<b>—</b>	<b>—</b>	<b>12</b>	<b>0</b>
3110 nitrogenous fert.	190	68	4	80	26	—	—	12	—
3130 potassic fert.	2,013	—	86	—	1,926	—	—	—	0
3190 fert. & mixes nec	21	15	—	6	0	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>2,689</b>	<b>62</b>	<b>629</b>	<b>131</b>	<b>1,819</b>	<b>9</b>	<b>0</b>	<b>18</b>	<b>22</b>
3211 acyclic hydrocarbons	0	0	—	—	—	—	—	—	—
3212 benzene & toluene	22	22	—	—	—	—	—	—	—
3219 other hydrocarbons	0	—	—	0	0	—	—	—	—
3220 alcohols	125	33	—	84	2	5	—	—	—
3230 carboxylic acids	5	—	0	1	5	—	—	—	—
3240 nitrogen func. comp.	1	0	0	0	1	—	0	—	—
3250 organo - inorg. comp.	1	0	—	1	0	—	—	—	0
3260 organic comp. nec	2	—	0	0	2	—	—	—	—
3272 sulphuric acid	1	—	—	1	0	—	—	—	—
3273 ammonia	12	—	—	0	—	—	—	12	—
3274 sodium hydroxide	37	3	9	—	—	3	—	—	22
3275 inorg. elem., oxides, & halogen salts	27	0	—	25	3	—	—	—	—
3276 metallic salts	2,390	2	614	5	1,769	—	—	—	—
3279 inorganic chem. nec	1	0	—	1	0	—	—	—	—
3281 radioactive material	0	—	—	0	—	—	—	—	—
3282 pigments & paints	2	0	0	0	1	—	—	—	—
3283 coloring mat. nec	0	0	—	0	0	—	—	—	—
3284 medicines	0	—	—	0	0	—	—	—	—
3285 perfumes & cleansers	6	—	0	2	4	—	—	—	0
3286 plastics	20	0	0	7	13	—	—	—	0
3291 pesticides	0	—	—	0	0	—	—	—	—
3292 starches, gluten, glue	2	—	—	0	1	—	—	—	—
3293 explosives	1	—	0	1	0	—	—	—	—
3297 chemical additives	1	—	1	0	0	—	—	—	—
3298 wood & resin chem.	26	—	4	—	15	—	—	6	—
3299 chem. products nec	6	—	0	3	3	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>5,085</b>	<b>1,129</b>	<b>2,137</b>	<b>740</b>	<b>592</b>	<b>20</b>	<b>—</b>	<b>467</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,152</b>	<b>9</b>	<b>1,712</b>	<b>133</b>	<b>277</b>	<b>20</b>	<b>—</b>	<b>—</b>	<b>—</b>
4110 rubber & gums	1	—	—	1	—	—	—	—	—
4150 fuel wood	3	—	—	—	3	—	—	—	—
4161 wood chips	20	—	—	—	0	20	—	—	—
4170 wood in the rough	1,699	—	1,678	0	20	—	—	—	—
4189 lumber	429	9	34	132	254	—	—	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
4190 forest products nec	0	0	—	0	0	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>358</b>	<b>25</b>	<b>122</b>	<b>1</b>	<b>210</b>	—	—	—	—
4225 pulp & waste paper	358	25	122	1	210	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>469</b>	—	—	<b>0</b>	<b>1</b>	—	—	<b>467</b>	—
4310 building stone	0	—	—	0	—	—	—	—	—
4322 limestone	468	—	—	—	0	—	—	<b>467</b>	—
4323 gypsum	0	—	—	0	0	—	—	—	—
4331 sand & gravel	1	—	—	0	1	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>57</b>	—	<b>25</b>	—	<b>32</b>	—	—	—	—
4420 iron & steel scrap	57	—	25	—	32	—	—	—	—
<b>Subtotal marine shells</b>	<b>0</b>	—	—	<b>0</b>	—	—	—	—	—
4515 marine shells	0	—	—	0	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>1,412</b>	<b>1,092</b>	<b>51</b>	<b>227</b>	<b>41</b>	—	—	—	<b>0</b>
4630 copper ore	23	—	23	—	—	—	—	—	—
4650 aluminum ore	1,315	1,088	0	226	1	—	—	—	—
4680 non-ferrous scrap	26	0	0	0	26	—	—	—	0
4690 non-ferrous ores nec	48	4	28	1	15	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>223</b>	<b>3</b>	<b>212</b>	—	<b>9</b>	—	—	—	—
4741 sulphur, (dry)	0	—	—	—	0	—	—	—	—
4782 clay & refrac. mat.	223	3	212	—	9	—	—	—	—
<b>Subtotal slag</b>	<b>0</b>	—	—	—	<b>0</b>	—	—	—	—
4860 slag	0	—	—	—	0	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>414</b>	—	<b>16</b>	<b>378</b>	<b>20</b>	—	—	—	—
4900 non-metal. min. nec	414	—	16	378	20	—	—	—	—
<b>Total primary manufactured goods</b>	<b>2,995</b>	<b>767</b>	<b>343</b>	<b>1,451</b>	<b>432</b>	<b>0</b>	<b>0</b>	—	<b>0</b>
<b>Subtotal paper products</b>	<b>722</b>	<b>10</b>	<b>341</b>	<b>10</b>	<b>361</b>	—	—	—	—
5110 newsprint	382	8	335	2	37	—	—	—	—
5120 paper & paperboard	334	2	7	7	319	—	—	—	—
5190 paper products nec	6	0	—	1	5	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>560</b>	<b>0</b>	<b>0</b>	<b>541</b>	<b>19</b>	—	<b>0</b>	—	—
5220 cement & concrete	518	—	—	514	4	—	—	—	—
5240 glass & glass prod.	4	0	—	3	1	—	—	—	—
5290 misc. mineral prod.	38	0	0	24	14	—	0	—	—
<b>Subtotal primary iron and steel products</b>	<b>1,580</b>	<b>716</b>	<b>0</b>	<b>860</b>	<b>3</b>	—	—	—	—
5312 pig iron	51	—	—	50	1	—	—	—	—
5315 ferro alloys	49	8	—	41	0	—	—	—	—
5320 i&s primary forms	536	87	—	448	0	—	—	—	—
5330 i&s plates & sheets	633	522	0	110	2	—	—	—	—
5360 i&s bars & shapes	75	39	—	36	0	—	—	—	—
5370 i&s pipe & tube	66	49	—	17	0	—	—	—	—
5390 primary i&s nec	169	11	—	158	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>43</b>	<b>1</b>	<b>0</b>	<b>34</b>	<b>8</b>	—	—	—	<b>0</b>
5421 copper	2	—	0	2	0	—	—	—	—
5422 aluminum	3	0	—	0	2	—	—	—	0
5429 smelted prod. nec	3	—	0	1	2	—	—	—	—
5480 fab. metal products	35	1	0	31	3	—	—	—	0

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through Upbound	Through Downbnd	Imports	Exports	Through Upbound	Through Downbnd
<b>Subtotal primary wood products</b>	<b>90</b>	<b>40</b>	<b>2</b>	<b>7</b>	<b>41</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
5540 primary wood prod.	90	40	2	7	41	0	—	—	0
<b>Total food and farm products</b>	<b>17,298</b>	<b>25</b>	<b>10,397</b>	<b>58</b>	<b>6,818</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>0</b>
<b>Subtotal fish</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	3	—	—	0	2	1	—	—	—
6136 shellfish	3	—	—	3	—	—	—	—	—
<b>Subtotal grain</b>	<b>15,022</b>	<b>0</b>	<b>9,505</b>	<b>2</b>	<b>5,515</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6241 wheat	10,875	—	5,618	—	5,257	—	—	—	—
6344 corn	3,589	—	3,552	0	37	—	—	—	—
6442 rice	3	0	—	2	1	—	—	—	—
6443 barley & rye	466	—	248	—	219	—	—	—	—
6445 oats	0	—	—	—	0	—	—	—	—
6447 sorghum grains	88	—	88	—	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>506</b>	<b>25</b>	<b>455</b>	<b>0</b>	<b>26</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6522 soybeans	420	—	400	—	20	—	—	—	—
6590 oilseeds nec	86	25	54	0	6	—	—	—	—
<b>Subtotal vegetable products</b>	<b>289</b>	<b>0</b>	<b>3</b>	<b>8</b>	<b>278</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	3	—	0	2	1	—	—	—	—
6654 vegetables & prod.	286	0	3	6	277	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1,306</b>	<b>0</b>	<b>434</b>	<b>3</b>	<b>869</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>
6746 wheat flour	22	—	21	—	1	—	—	—	—
6747 grain mill products	59	0	—	1	58	—	0	—	0
6781 hay & fodder	651	—	8	—	643	—	—	—	—
6782 animal feed, prep.	573	—	405	2	166	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>171</b>	<b>0</b>	<b>1</b>	<b>41</b>	<b>129</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6811 meat, fresh, frozen	11	—	—	0	11	—	—	—	—
6817 meat, prepared	11	—	—	0	11	—	—	—	—
6822 dairy products	29	—	—	0	29	—	—	—	—
6835 fish, prepared	3	0	—	2	1	—	—	—	—
6838 tallow, animal oils	1	—	—	0	1	—	—	—	—
6839 animals & prod. nec	18	0	0	0	17	—	—	—	—
6856 bananas & plantains	0	—	—	0	—	—	—	—	—
6857 fruit & nuts nec	6	—	0	0	6	—	—	—	—
6858 fruit juices	29	0	0	12	16	—	—	—	—
6861 sugar	0	—	—	0	—	—	—	—	—
6871 coffee	1	—	—	1	0	—	—	—	—
6872 cocoa beans	0	—	—	0	0	—	—	—	—
6885 alcoholic beverages	18	0	—	16	2	—	—	—	—
6888 water & ice	2	—	—	2	—	—	—	—	—
6889 food products nec	16	0	0	2	14	—	—	—	—
6891 tobacco & products	0	—	—	—	0	—	—	—	—
6893 cotton	1	—	—	—	1	—	—	—	—
6894 natural fibers nec	0	—	—	0	—	—	—	—	—
6899 farm products nec	24	—	0	4	20	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>784</b>	<b>88</b>	<b>5</b>	<b>611</b>	<b>80</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
7110 machinery (not elec)	41	2	1	21	17	0	—	—	0
7120 electrical machinery	38	1	0	30	7	—	—	—	0
7210 vehicles & parts	578	83	1	468	26	—	—	—	0
7220 aircraft & parts	0	—	—	0	0	—	—	—	0

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports	Exports	Through	
		Upbound	Downbnd					Upbound	Downbnd
7230 ships & boats	0	0	0	0	0	—	—	—	—
7300 ordnance & access.	0	—	—	—	0	—	—	—	—
7400 manufac. wood prod.	13	0	1	3	8	—	—	—	—
7500 textile products	15	0	0	11	3	—	—	—	0
7600 rubber & plastic pr.	14	1	0	11	2	—	—	—	—
7900 manufac. prod. nec	85	1	1	67	17	—	—	—	0
<b>Total unknown or not elsewhere classified</b>	<b>18</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
9900 unknown or nec	18	0	1	1	16	0	—	0	—
<b>Ton-miles Foreign &amp; Canadian (x1000)</b>	<b>2,929,953</b>	<b>190,234</b>	<b>1,110,637</b>	<b>391,965</b>	<b>1,157,080</b>	<b>1,650</b>	<b>4,172</b>	<b>71,937</b>	<b>2,278</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
		Upbound	Downbnd		
<b>Total, all commodities</b>	<b>5,658</b>	<b>687</b>	<b>338</b>	<b>4,445</b>	<b>187</b>
<b>Total petroleum and petroleum products</b>	<b>4,354</b>	<b>90</b>	<b>4</b>	<b>4,173</b>	<b>88</b>
<b>Subtotal crude petroleum</b>	<b>27</b>	<b>—</b>	<b>—</b>	<b>27</b>	<b>—</b>
2100 crude petroleum	27	—	—	27	—
<b>Subtotal petroleum products</b>	<b>4,327</b>	<b>90</b>	<b>4</b>	<b>4,146</b>	<b>88</b>
2211 gasoline	2,703	45	—	2,657	1
2221 kerosene	18	—	—	18	—
2330 distillate fuel oil	1,010	33	—	953	23
2340 residual fuel oil	322	—	4	278	40
2350 lube oil & greases	111	2	—	108	—
2429 naphtha & solvents	9	—	—	—	9
2430 asphalt, tar & pitch	155	9	—	132	14
<b>Total chemicals and related products</b>	<b>371</b>	<b>113</b>	<b>48</b>	<b>146</b>	<b>65</b>
<b>Subtotal fertilizers</b>	<b>150</b>	<b>—</b>	<b>45</b>	<b>104</b>	<b>2</b>
3110 nitrogenous fert.	150	—	45	104	2
<b>Subtotal other chemicals and related products</b>	<b>221</b>	<b>113</b>	<b>3</b>	<b>42</b>	<b>63</b>
3212 benzene & toluene	74	74	—	—	—
3220 alcohols	15	—	—	2	13
3272 sulphuric acid	0	—	—	—	0
3273 ammonia	63	—	—	40	23
3274 sodium hydroxide	68	39	3	—	26
3286 plastics	1	—	—	—	1
<b>Total crude materials, inedible except fuels</b>	<b>886</b>	<b>484</b>	<b>263</b>	<b>126</b>	<b>13</b>
<b>Subtotal forest products, wood and chips</b>	<b>882</b>	<b>484</b>	<b>263</b>	<b>122</b>	<b>13</b>
4161 wood chips	510	453	46	11	—
4170 wood in the rough	163	31	19	111	1
4189 lumber	209	—	198	0	11
<b>Subtotal iron ore and scrap</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>—</b>
4420 iron & steel scrap	4	—	—	4	—
<b>Total primary manufactured goods</b>	<b>42</b>	<b>—</b>	<b>20</b>	<b>0</b>	<b>22</b>
<b>Subtotal paper products</b>	<b>22</b>	<b>—</b>	<b>19</b>	<b>—</b>	<b>4</b>
5190 paper products nec	22	—	19	—	4
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>
5240 glass & glass prod.	0	—	—	—	0
5290 misc. mineral prod.	0	—	—	0	—
<b>Subtotal primary iron and steel products</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13</b>
5330 i&s plates & sheets	0	—	—	—	0
5360 i&s bars & shapes	9	—	—	—	9
5370 i&s pipe & tube	3	—	—	—	3
<b>Subtotal primary wood products</b>	<b>7</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>5</b>
5540 primary wood prod.	7	—	1	—	5
<b>Total all manufactured equipment, machinery and products</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	1	1	—	0	0
7210 vehicles & parts	0	—	—	—	0
7230 ships & boats	0	—	—	—	0
7400 manufac. wood prod.	0	—	—	0	—
7800 empty containers	3	—	3	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Coastwise			
			Receipts	Shipments	Through Upbound	Through Downbnd
7900 manufac. prod. nec		0	—	—	—	0
<b>Ton-miles (x1000)</b>		<b>518,620</b>	<b>41,269</b>	<b>28,031</b>	<b>430,956</b>	<b>18,364</b>
<b>Coastwise</b>						

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>12,020</b>	<b>759</b>	<b>1,728</b>	<b>266</b>	<b>1,706</b>	<b>2,729</b>	<b>2,429</b>	<b>535</b>	<b>1,869</b>
<b>Total petroleum and petroleum products</b>	<b>2,713</b>	<b>515</b>	<b>89</b>	<b>153</b>	<b>198</b>	<b>1,624</b>	<b>26</b>	<b>108</b>	<b>—</b>
Subtotal petroleum products	2,713	515	89	153	198	1,624	26	108	—
2211 gasoline	1,372	2	—	67	161	1,125	—	17	—
2330 distillate fuel oil	1,001	331	4	86	32	457	0	91	—
2340 residual fuel oil	339	181	85	0	5	42	26	0	—
2350 lube oil & greases	1	1	0	—	—	—	0	0	—
<b>Total chemicals and related products</b>	<b>173</b>	<b>39</b>	<b>28</b>	<b>50</b>	<b>5</b>	<b>12</b>	<b>0</b>	<b>19</b>	<b>20</b>
Subtotal fertilizers	95	7	12	37	—	—	—	17	20
3110 nitrogenous fert.	7	—	3	3	—	—	—	—	1
3190 fert. & mixes nec	88	7	10	34	—	—	—	17	20
Subtotal other chemicals and related products	78	32	15	13	5	12	0	2	—
3273 ammonia	29	—	—	13	5	12	—	—	—
3274 sodium hydroxide	49	32	15	—	—	—	—	2	—
3286 plastics	0	—	—	—	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3,432</b>	<b>93</b>	<b>424</b>	<b>60</b>	<b>447</b>	<b>1,074</b>	<b>30</b>	<b>195</b>	<b>1,110</b>
Subtotal forest products, wood and chips	1,104	—	414	5	20	0	2	16	647
4150 fuel wood	1	—	1	—	—	—	—	—	—
4161 wood chips	792	—	404	—	—	—	2	—	387
4170 wood in the rough	309	—	9	5	19	—	0	16	260
4189 lumber	1	—	—	—	0	0	—	—	—
Subtotal pulp and waste paper	14	—	10	—	—	—	4	—	—
4225 pulp & waste paper	14	—	10	—	—	—	4	—	—
Subtotal soil, sand, gravel, rock and stone	2,299	93	—	55	428	1,074	8	179	463
4331 sand & gravel	2,299	93	—	55	428	1,074	8	179	463
Subtotal iron ore and scrap	11	—	—	—	—	—	11	—	—
4420 iron & steel scrap	11	—	—	—	—	—	11	—	—
Subtotal sulphur, clay and salt	3	—	—	—	—	—	3	—	—
4782 clay & refrac. mat.	3	—	—	—	—	—	3	—	—
Subtotal other non-metal. min.	1	—	—	—	—	—	1	—	—
4900 non-metal. min. nec	1	—	—	—	—	—	1	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Internal								
		Inbound		Outbound		Through			Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
<b>Total primary manufactured goods</b>	<b>84</b>	<b>0</b>	—	—	—	1	2	70	0	12
Subtotal paper products	70	—	—	—	—	—	—	70	—	—
5190 paper products nec	70	—	—	—	—	—	—	70	—	—
Subtotal lime, cement and glass	0	0	—	—	—	—	0	—	—	—
5290 misc. mineral prod.	0	0	—	—	—	—	0	—	—	—
Subtotal primary iron and steel products	1	0	—	—	—	1	—	—	0	—
5360 i&s bars & shapes	1	—	—	—	—	1	—	—	0	—
5370 i&s pipe & tube	0	0	—	—	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	13	0	—	—	—	0	1	0	—	12
5422 aluminum	12	—	—	—	—	0	1	0	—	12
5480 fab. metal products	2	0	—	—	—	—	—	—	—	—
<b>Total food and farm products</b>	<b>5,073</b>	<b>63</b>	<b>1,187</b>	<b>3</b>	<b>859</b>	<b>1</b>	<b>2,275</b>	<b>—</b>	<b>686</b>	
Subtotal fish	60	60	—	—	—	1	—	—	—	—
6134 fish (not shellfish)	55	55	—	—	—	0	—	—	—	—
6136 shellfish	5	5	—	—	—	0	—	—	—	—
Subtotal grain	4,846	3	1,187	3	725	—	2,241	—	686	
6241 wheat	4,550	3	1,139	3	685	—	2,050	—	669	
6344 corn	11	0	—	—	11	—	—	—	—	—
6443 barley & rye	286	—	48	—	30	—	191	—	17	
Subtotal vegetable products	51	—	—	—	18	0	33	—	—	—
6654 vegetables & prod.	51	—	—	—	18	0	33	—	—	—
Subtotal processed grain and animal feed	80	—	—	—	80	—	—	—	—	—
6747 grain mill products	0	—	—	—	0	—	—	—	—	—
6781 hay & fodder	72	—	—	—	72	—	—	—	—	—
6782 animal feed, prep.	8	—	—	—	8	—	—	—	—	—
Subtotal other agricultural products	35	—	—	—	35	—	0	—	—	—
6822 dairy products	28	—	—	—	28	—	—	—	—	—
6839 animals & prod. nec	3	—	—	—	3	—	—	—	—	—
6889 food products nec	0	—	—	—	0	—	0	—	—	—
6899 farm products nec	4	—	—	—	4	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>364</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>196</b>	<b>17</b>	<b>28</b>	<b>39</b>	<b>35</b>	
7800 empty containers	317	30	0	—	195	16	2	39	35	
7900 manufac. prod. nec	47	19	0	0	1	0	26	—	—	
<b>Total waste and scrap nec</b>	<b>181</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>175</b>	<b>6</b>	
8900 waste and scrap nec	181	—	—	—	—	—	—	175	6	
Ton-miles Internal (x1000)	1,889,467	75,699	381,003	36,275	198,129	372,495	531,638	51,201	243,028	
Tons All Traffic (x1000)			50,733							
Ton-miles All Traffic (x1000)			5,338,040							

\*Includes 152 (x1000) tons of foreign inbound in-transits; Includes 265 (x1000) tons of foreign outbound in-transits.

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR

Section Included: Columbia River from mouth to the mouth of Willamette River; Willamette River from mouth to Broadway Bridge at Portland, OR, a distance of 113 miles; Columbia River from mouth of Willamette River to Interstate Bridge, Vancouver, WA, a distance of 5 miles. Controlling Depth: Mouth of Columbia River to mouth of Willamette and up the Willamette to Broadway Bridge in Portland, 38 feet; in the reach of Columbia River from the mouth of Willamette River to the lower turning basin at Vancouver, WA, 38 feet. Project Depth: 40 feet in main channel from mouth of Columbia River to Broadway Bridge at Portland, OR; 40 feet in Columbia River from mouth of Willamette River to Railroad Bridge, Vancouver, WA; 35 feet from Railroad Bridge to Interstate Bridge, Vancouver, WA.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	51,479	1993	50,566	1996	52,559	1999	50,905
1991	50,622	1994	50,703	1997	53,098		
1992	50,890	1995	58,446	1998	49,543		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through Upbound	Through Downbd	Imports	Exports	Through Downbd
<b>Total, all commodities</b>	<b>33,055</b>	<b>5,443</b>	<b>23,688</b>	<b>866</b>	<b>2,178</b>	<b>791</b>	<b>66</b>	<b>22</b>
<b>Total coal</b>	<b>12</b>	—	<b>12</b>	—	—	—	—	—
1100 coal lignite	12	—	12	—	—	—	—	—
<b>Total petroleum and petroleum products</b>	<b>1,951</b>	<b>938</b>	<b>535</b>	<b>138</b>	<b>9</b>	<b>265</b>	<b>66</b>	<b>—</b>
Subtotal crude petroleum	256	256	—	—	—	—	—	—
2100 crude petroleum	256	256	—	—	—	—	—	—
<b>Subtotal petroleum products</b>	<b>1,695</b>	<b>682</b>	<b>535</b>	<b>138</b>	<b>9</b>	<b>265</b>	<b>66</b>	<b>—</b>
2211 gasoline	642	449	—	98	—	96	—	—
2221 kerosene	38	21	—	—	0	16	—	—
2330 distillate fuel oil	189	51	0	—	7	130	—	—
2340 residual fuel oil	37	—	—	15	—	23	—	—
2350 lube oil & greases	1	—	0	0	1	—	—	—
2410 petro. jelly & waxes	0	—	—	—	0	—	—	—
2429 naphtha & solvents	16	—	—	16	—	—	—	—
2430 asphalt, tar & pitch	172	161	1	10	—	—	—	—
2540 petroleum coke	600	—	533	—	0	66	—	—
<b>Total chemicals and related products</b>	<b>4,912</b>	<b>338</b>	<b>4,444</b>	<b>24</b>	<b>46</b>	<b>38</b>	<b>0</b>	<b>22</b>
Subtotal fertilizers	2,224	169	2,042	0	0	12	0	—
3110 nitrogenous fert.	190	148	30	0	0	12	—	—
3130 potassium fert.	2,013	—	2,013	—	—	—	0	—
3190 fert. & mixes nec	21	21	0	0	0	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>2,689</b>	<b>169</b>	<b>2,402</b>	<b>24</b>	<b>46</b>	<b>26</b>	<b>0</b>	<b>22</b>
3211 acyclic hydrocarbons	0	0	—	—	—	—	—	—
3212 benzene & tolueine	22	22	—	—	—	—	—	—
3219 other hydrocarbons	0	—	—	0	0	—	—	—
3220 alcohols	125	116	0	2	2	5	—	—
3230 carboxylic acids	5	0	0	0	4	—	—	—
3240 nitrogen func. comp.	1	0	0	0	0	1	—	0
3250 organo - inorg. comp.	1	0	—	0	0	—	—	0
3260 organic comp. nec	2	0	0	0	0	2	—	—
3272 sulphuric acid	1	0	0	1	0	—	—	—
3273 ammonia	12	0	—	0	—	12	—	—
3274 sodium hydroxide	37	3	9	—	—	3	—	22
3275 inorg. elem.,oxides, & halogen salts	27	21	0	4	2	—	—	—
3276 metallic salts	2,390	4	2,383	3	1	—	—	—
3279 inorganic chem. nec	1	0	0	1	0	—	—	—
3281 radioactive material	0	—	—	0	—	—	—	—
3282 pigments & paints	2	0	0	0	1	—	—	—
3283 coloring mat. nec	0	0	0	0	0	—	—	—
3284 medicines	0	—	—	0	0	—	—	—
3285 perfumes & cleansers	6	0	1	2	3	—	—	0
3286 plastics	20	1	2	6	11	—	—	0
3291 pesticides	0	—	—	0	0	—	—	—
3292 starches, gluten, glue	2	0	0	0	1	—	—	—
3293 explosives	1	0	0	0	0	—	—	—
3297 chemical additives	1	—	1	0	0	—	—	—
3298 wood & resin chem.	26	—	4	—	15	6	—	—
3299 chem. products nec	6	0	0	2	3	—	0	—
<b>Total crude materials, inedible except fuels</b>	<b>5,085</b>	<b>1,801</b>	<b>2,227</b>	<b>68</b>	<b>502</b>	<b>488</b>	<b>—</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,152</b>	<b>75</b>	<b>1,761</b>	<b>67</b>	<b>228</b>	<b>20</b>	<b>—</b>	<b>—</b>
4110 rubber & gums	1	0	—	1	—	—	—	—
4150 fuel wood	3	—	—	—	3	—	—	—
4161 wood chips	20	—	—	—	0	20	—	—
4170 wood in the rough	1,699	0	1,684	0	15	—	—	—
4189 lumber	429	75	77	66	211	—	—	—
4190 forest products nec	0	0	0	0	0	—	—	—

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through Upbound	Through Downbnd	Imports	Exports	Through Downbnd
<b>Subtotal pulp and waste paper</b>	<b>358</b>	<b>26</b>	<b>143</b>	—	<b>189</b>	—	—	—
4225 pulp & waste paper	358	26	143	—	189	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>469</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>467</b>	—	—
4310 building stone	0	—	—	0	—	—	—	—
4322 limestone	468	—	—	—	0	467	—	—
4323 gypsum	0	—	—	0	0	—	—	—
4331 sand & gravel	1	0	0	0	1	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>57</b>	—	<b>26</b>	—	<b>31</b>	—	—	—
4420 iron & steel scrap	57	—	26	—	31	—	—	—
<b>Subtotal marine shells</b>	<b>0</b>	—	—	<b>0</b>	—	—	—	—
4515 marine shells	0	—	—	0	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>1,412</b>	<b>1,318</b>	<b>68</b>	<b>1</b>	<b>25</b>	—	—	<b>0</b>
4630 copper ore	23	—	23	—	—	—	—	—
4650 aluminum ore	1,315	1,314	0	—	1	—	—	—
4680 non-ferrous scrap	26	0	2	0	24	—	—	0
4690 non-ferrous ores nec	48	4	42	1	0	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>223</b>	<b>3</b>	<b>213</b>	—	<b>8</b>	—	—	—
4741 sulphur, (dry)	0	—	—	—	0	—	—	—
4782 clay & refrac. mat.	223	3	213	—	8	—	—	—
<b>Subtotal slag</b>	<b>0</b>	—	—	—	<b>0</b>	—	—	—
4860 slag	0	—	—	—	0	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>414</b>	<b>378</b>	<b>16</b>	<b>0</b>	<b>20</b>	—	—	—
4900 non-metal. min. nec	414	378	16	0	20	—	—	—
<b>Total primary manufactured goods</b>	<b>2,995</b>	<b>1,981</b>	<b>381</b>	<b>238</b>	<b>394</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>722</b>	<b>12</b>	<b>372</b>	<b>8</b>	<b>330</b>	—	—	—
5110 newsprint	382	8	336	2	36	—	—	—
5120 paper & paperboard	334	3	34	6	291	—	—	—
5190 paper products nec	6	0	2	1	3	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>560</b>	<b>520</b>	<b>1</b>	<b>21</b>	<b>18</b>	—	<b>0</b>	—
5220 cement & concrete	518	514	—	0	4	—	—	—
5240 glass & glass prod.	4	1	0	2	1	—	—	—
5290 misc. mineral prod.	38	5	1	19	13	—	0	—
<b>Subtotal primary iron and steel products</b>	<b>1,580</b>	<b>1,403</b>	<b>0</b>	<b>174</b>	<b>3</b>	—	—	—
5312 pig iron	51	50	0	0	0	—	—	—
5315 ferro alloys	49	49	0	0	0	—	—	—
5320 i&s primary forms	536	373	0	163	—	—	—	—
5330 i&s plates & sheets	633	627	0	5	2	—	—	—
5360 i&s bars & shapes	75	75	0	0	0	—	—	—
5370 i&s pipe & tube	66	62	0	4	0	—	—	—
5390 primary i&s nec	169	167	—	2	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>43</b>	<b>5</b>	<b>1</b>	<b>30</b>	<b>6</b>	—	—	<b>0</b>
5421 copper	2	1	0	1	0	—	—	—
5422 aluminum	3	0	0	0	2	—	—	0
5429 smelted prod. nec	3	0	0	1	2	—	—	—
5480 fab. metal products	35	3	1	29	2	—	—	0
<b>Subtotal primary wood products</b>	<b>90</b>	<b>42</b>	<b>7</b>	<b>4</b>	<b>37</b>	<b>0</b>	—	<b>0</b>
5540 primary wood prod.	90	42	7	4	37	0	—	0
<b>Total food and farm products</b>	<b>17,298</b>	<b>45</b>	<b>16,061</b>	<b>38</b>	<b>1,154</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Subtotal fish</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>1</b>	—	—
6134 fish (not shellfish)	3	0	0	0	2	1	—	—
6136 shellfish	3	0	—	3	—	—	—	—
<b>Subtotal grain</b>	<b>15,022</b>	<b>0</b>	<b>14,897</b>	<b>2</b>	<b>123</b>	—	—	—
6241 wheat	10,875	—	10,767	—	108	—	—	—
6344 corn	3,589	—	3,576	0	14	—	—	—
6442 rice	3	0	—	2	1	—	—	—
6443 barley & rye	466	—	466	—	0	—	—	—
6445 oats	0	—	0	—	0	—	—	—
6447 sorghum grains	88	—	88	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>506</b>	<b>25</b>	<b>477</b>	<b>0</b>	<b>4</b>	—	—	—
6522 soybeans	420	—	417	—	3	—	—	—
6590 oilseeds nec	86	25	60	0	1	—	—	—
<b>Subtotal vegetable products</b>	<b>289</b>	<b>2</b>	<b>36</b>	<b>6</b>	<b>244</b>	—	—	—
6653 vegetable oils	3	1	0	1	1	—	—	—
6654 vegetables & prod.	286	2	36	5	244	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1,306</b>	<b>2</b>	<b>637</b>	<b>1</b>	<b>665</b>	—	<b>0</b>	<b>0</b>
6746 wheat flour	22	—	22	—	0	—	—	—
6747 grain mill products	59	0	5	1	53	—	0	0
6781 hay & fodder	651	—	88	—	564	—	—	—
6782 animal feed, prep.	573	2	523	1	48	—	—	—

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through Upbound	Downbnd	Imports	Exports	Through Downbnd
<b>Subtotal other agricultural products</b>	<b>171</b>	<b>16</b>	<b>13</b>	<b>26</b>	<b>116</b>	—	—	—
6811 meat, fresh, frozen	11	—	1	0	9	—	—	—
6817 meat, prepared	11	—	0	0	11	—	—	—
6822 dairy products	29	—	1	0	28	—	—	—
6835 fish, prepared	3	0	—	2	1	—	—	—
6838 tallow, animal oils	1	0	—	—	1	—	—	—
6839 animals & prod. nec	18	0	2	0	16	—	—	—
6856 bananas & plantains	0	0	—	0	—	—	—	—
6857 fruit & nuts nec	6	0	1	0	5	—	—	—
6858 fruit juices	29	3	2	10	14	—	—	—
6861 sugar	0	0	—	—	—	—	—	—
6871 coffee	1	0	0	1	0	—	—	—
6872 cocoa beans	0	0	—	0	0	—	—	—
6885 alcoholic beverages	18	8	0	8	2	—	—	—
6888 water & ice	2	2	—	1	—	—	—	—
6889 food products nec	16	1	2	2	12	—	—	—
6891 tobacco & products	0	—	—	—	0	—	—	—
6893 cotton	1	—	0	—	1	—	—	—
6894 natural fibers nec	0	0	—	0	—	—	—	—
6899 farm products nec	24	3	3	1	17	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>784</b>	<b>339</b>	<b>26</b>	<b>360</b>	<b>59</b>	<b>0</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	41	5	6	17	12	0	—	0
7120 electrical machinery	38	8	3	23	4	—	0	0
7210 vehicles & parts	578	316	4	234	23	—	—	0
7220 aircraft & parts	0	0	0	0	0	—	0	—
7230 ships & boats	0	0	0	0	0	—	—	—
7300 ordnance & access.	0	—	—	—	0	—	—	—
7400 manufac. wood prod.	13	1	2	3	7	—	—	—
7500 textile products	15	1	1	10	2	—	—	0
7600 rubber & plastic pr.	14	1	1	10	1	—	—	—
7900 manufac. prod. nec	85	6	9	62	8	—	—	0
<b>Total unknown or not elsewhere classified</b>	<b>18</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	18	0	2	1	14	0	—	—
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	<b>3,077,045</b>	<b>527,900</b>	<b>2,150,499</b>	<b>88,375</b>	<b>222,159</b>	<b>81,662</b>	<b>4,177</b>	<b>2,273</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through Upbound	Downbnd
<b>Total, all commodities</b>	<b>5,658</b>	<b>4,995</b>	<b>494</b>	<b>138</b>	<b>32</b>
<b>Total petroleum and petroleum products</b>	<b>4,354</b>	<b>4,247</b>	<b>92</b>	<b>15</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>27</b>	<b>27</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	27	27	—	—	—
<b>Subtotal petroleum products</b>	<b>4,327</b>	<b>4,221</b>	<b>92</b>	<b>15</b>	<b>—</b>
2211 gasoline	2,703	2,698	1	4	—
2221 kerosene	18	18	—	—	—
2330 distillate fuel oil	1,010	975	23	11	—
2340 residual fuel oil	322	278	44	—	—
2350 lube oil & greases	111	111	—	—	—
2429 naphtha & solvents	9	—	9	—	—
2430 asphalt, tar & pitch	155	140	14	—	—
<b>Total chemicals and related products</b>	<b>371</b>	<b>259</b>	<b>97</b>	<b>—</b>	<b>15</b>
<b>Subtotal fertilizers</b>	<b>150</b>	<b>104</b>	<b>31</b>	<b>—</b>	<b>15</b>
3110 nitrogenous fert.	150	104	31	—	15
<b>Subtotal other chemicals and related products</b>	<b>221</b>	<b>155</b>	<b>66</b>	<b>—</b>	<b>—</b>
3212 benzene & toluene	74	74	—	—	—
3220 alcohols	15	2	13	—	—
3272 sulphuric acid	0	—	0	—	—
3273 ammonia	63	40	23	—	—
3274 sodium hydroxide	68	39	29	—	—
3286 plastics	1	—	1	—	—
<b>Total crude materials, inedible except fuels</b>	<b>886</b>	<b>487</b>	<b>263</b>	<b>122</b>	<b>13</b>
<b>Subtotal forest products, wood and chips</b>	<b>882</b>	<b>484</b>	<b>263</b>	<b>122</b>	<b>13</b>
4161 wood chips	510	453	46	11	—
4170 wood in the rough	163	31	8	111	13
4189 lumber	209	0	209	—	—
<b>Subtotal iron ore and scrap</b>	<b>4</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	4	4	—	—	—

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
		Upbound	Downbnd		
<b>Total primary manufactured goods</b>	42	0	42	—	—
<b>Subtotal paper products</b>	22	—	22	—	—
5190 paper products nec	22	—	22	—	—
<b>Subtotal lime, cement and glass</b>	0	0	0	—	—
5240 glass & glass prod.	0	—	0	—	—
5290 misc. mineral prod.	0	0	—	—	—
<b>Subtotal primary iron and steel products</b>	13	—	13	—	—
5330 i&s plates & sheets	0	—	0	—	—
5360 i&s bars & shapes	9	—	9	—	—
5370 i&s pipe & tube	3	—	3	—	—
<b>Subtotal primary wood products</b>	7	—	7	—	—
5540 primary wood prod.	7	—	7	—	—
<b>Total all manufactured equipment, machinery and products</b>	4	1	0	—	3
7110 machinery (not elec)	1	1	0	—	—
7210 vehicles & parts	0	—	0	—	—
7230 ships & boats	0	—	0	—	—
7400 manufac. wood prod.	0	0	—	—	—
7800 empty containers	3	—	—	—	3
7900 manufac. prod. nec	0	—	0	—	—
<b>Ton-miles (x1000)</b>	<b>550,168</b>	<b>498,086</b>	<b>39,726</b>	<b>9,110</b>	<b>3,245</b>
<b>Coastwise</b>					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>12,192</b>	<b>4,163</b>	<b>3,177</b>	<b>452</b>	<b>1,999</b>	<b>204</b>	<b>519</b>	<b>1,328</b>	<b>350</b>
<b>Total petroleum and petroleum products</b>	<b>2,991</b>	<b>1</b>	<b>—</b>	<b>222</b>	<b>1,944</b>	<b>—</b>	<b>—</b>	<b>737</b>	<b>87</b>
<b>Subtotal petroleum products</b>	<b>2,991</b>	<b>1</b>	<b>—</b>	<b>222</b>	<b>1,944</b>	<b>—</b>	<b>—</b>	<b>737</b>	<b>87</b>
2211 gasoline	1,458	—	—	67	1,126	—	—	265	—
2330 distillate fuel oil	1,025	—	—	155	749	—	—	120	2
2340 residual fuel oil	506	1	—	—	69	—	—	351	85
2350 lube oil & greases	2	—	—	—	0	—	—	1	0
<b>Total chemicals and related products</b>	<b>107</b>	<b>—</b>	<b>8</b>	<b>12</b>	<b>51</b>	<b>—</b>	<b>0</b>	<b>22</b>	<b>15</b>
<b>Subtotal fertilizers</b>	<b>47</b>	<b>—</b>	<b>8</b>	<b>10</b>	<b>7</b>	<b>—</b>	<b>—</b>	<b>22</b>	<b>—</b>
3110 nitrogenous fert.	1	—	1	—	—	—	—	—	—
3190 fert. & mixes nec	46	—	7	10	7	—	—	22	—
<b>Subtotal other chemicals and related products</b>	<b>60</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>43</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>15</b>
3273 ammonia	12	—	—	—	12	—	—	—	—
3274 sodium hydroxide	49	—	—	2	32	—	—	—	15
3286 plastics	0	—	—	—	—	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3,377</b>	<b>1,153</b>	<b>1,244</b>	<b>5</b>	<b>4</b>	<b>137</b>	<b>39</b>	<b>547</b>	<b>248</b>
<b>Subtotal forest products, wood and chips</b>	<b>834</b>	<b>0</b>	<b>777</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>17</b>	<b>10</b>	<b>19</b>
4150 fuel wood	1	—	1	—	—	—	—	—	—
4161 wood chips	616	—	603	—	—	—	2	—	11
4170 wood in the rough	216	—	173	5	4	—	15	10	8
4189 lumber	1	0	—	—	—	0	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>14</b>	<b>1</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	14	1	10	—	—	—	3	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>2,513</b>	<b>1,147</b>	<b>457</b>	<b>—</b>	<b>—</b>	<b>137</b>	<b>8</b>	<b>536</b>	<b>229</b>
4331 sand & gravel	2,513	1,147	457	—	—	137	8	536	229

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Subtotal iron ore and scrap</b>	<b>11</b>	<b>4</b>	—	—	—	—	—	<b>7</b>	—
4420 iron & steel scrap	11	4	—	—	—	—	—	7	—
<b>Subtotal sulphur, clay and salt</b>	<b>3</b>	—	—	—	—	—	—	<b>3</b>	—
4782 clay & refrac. mat.	3	—	—	—	—	—	—	3	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>	—	—	—	—	—	—	<b>1</b>	—
4900 non-metal. min. nec	1	—	—	—	—	—	—	1	—
<b>Total primary manufactured goods</b>	<b>84</b>	<b>1</b>	<b>12</b>	<b>0</b>	—	<b>2</b>	<b>70</b>	<b>0</b>	—
<b>Subtotal paper products</b>	<b>70</b>	—	—	—	—	—	—	<b>70</b>	—
5190 paper products nec	70	—	—	—	—	—	—	70	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	—	—	—	—	<b>0</b>	—	—
5290 misc. mineral prod.	0	—	—	—	—	—	0	—	—
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>1</b>	—	<b>0</b>	—	—	—	—	—
5360 i&s bars & shapes	1	1	—	0	—	—	—	—	—
5370 i&s pipe & tube	0	—	—	—	—	—	—	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>13</b>	—	<b>12</b>	—	—	<b>1</b>	<b>0</b>	<b>0</b>	—
5422 aluminum	12	—	12	—	—	—	—	—	—
5480 fab. metal products	2	—	—	—	—	1	0	0	—
<b>Total food and farm products</b>	<b>5,088</b>	<b>3,008</b>	<b>1,873</b>	—	—	<b>1</b>	<b>185</b>	<b>22</b>	—
<b>Subtotal fish</b>	<b>60</b>	<b>59</b>	—	—	—	<b>1</b>	—	—	—
6134 fish (not shellfish)	55	54	—	—	—	0	—	—	—
6136 shellfish	5	5	—	—	—	1	—	—	—
<b>Subtotal grain</b>	<b>4,861</b>	<b>2,949</b>	<b>1,873</b>	—	—	<b>0</b>	<b>18</b>	<b>22</b>	—
6241 wheat	4,564	2,727	1,808	—	—	—	9	20	—
6344 corn	11	7	—	—	—	0	3	—	—
6443 barley & rye	287	214	65	—	—	—	7	1	—
<b>Subtotal vegetable products</b>	<b>51</b>	—	—	—	—	<b>0</b>	<b>51</b>	—	—
6654 vegetables & prod.	51	—	—	—	—	0	51	—	—
<b>Subtotal processed grain and animal feed</b>	<b>80</b>	—	—	—	—	—	—	<b>80</b>	—
6747 grain mill products	0	—	—	—	—	—	—	0	—
6781 hay & fodder	72	—	—	—	—	—	—	72	—
6782 animal feed, prep.	8	—	—	—	—	—	—	8	—
<b>Subtotal other agricultural products</b>	<b>35</b>	—	—	—	—	—	—	<b>35</b>	—
6822 dairy products	28	—	—	—	—	—	—	28	—
6839 animals & prod. nec	3	—	—	—	—	—	—	3	—
6889 food products nec	0	—	—	—	—	—	—	0	—
6899 farm products nec	4	—	—	—	—	—	—	4	—
<b>Total all manufactured equipment, machinery and products</b>	<b>363</b>	—	<b>35</b>	<b>38</b>	<b>0</b>	<b>65</b>	<b>225</b>	<b>0</b>	<b>0</b>
7800 empty containers	316	—	35	38	0	46	197	0	0
7900 manufac. prod. nec	47	—	—	—	—	19	28	—	—

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total waste and scrap nec	181	—	6	175	—	—	—	—	—
8900 waste and scrap nec	181	—	6	175	—	—	—	—	—
Ton-miles Internal (x1000)	162,716	60,258	55,945	410	24,215	2,420	543	12,504	6,422
Tons All Traffic (x1000)			50,905						
Ton-miles All Traffic (x1000)			3,789,928						

\*Includes 192 (x1000) tons of foreign inbound in-transits; Includes 771 (x1000) tons of foreign outbound in-transits.

PORT OF ASTORIA, OR

Section Included: (Statistics for that section of the port with frontage on the Columbia River are also included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for portion of port with frontage on Youngs Bay are also included in statistics for Youngs Bay and Youngs River, OR) Controlling Depth: 38 feet in Columbia River and 6 feet in Youngs Bay. Project Depth: 40 feet in Columbia River and 10 feet in Youngs Bay.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	966	1993	412	1996	324	1999	288
1991	660	1994	1,354	1997	298		
1992	721	1995	985	1998	306		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Imports	Domestic		
		Imports	Exports		Total	Coastwise Shipments	Internal Receipts
<b>Total, all commodities</b>	<b>288</b>	<b>31</b>	<b>134</b>	<b>38</b>	<b>86</b>	<b>6</b>	<b>80</b>
<b>Total petroleum and petroleum products</b>	<b>70</b>	<b>22</b>	<b>—</b>	<b>27</b>	<b>21</b>	<b>—</b>	<b>21</b>
<b>Subtotal petroleum products</b>	<b>70</b>	<b>22</b>	<b>—</b>	<b>27</b>	<b>21</b>	<b>—</b>	<b>21</b>
2211 gasoline	22	22	—	—	—	—	—
2221 kerosene	16	—	—	16	—	—	—
2330 distillate fuel oil	13	—	—	11	2	—	2
2340 residual fuel oil	19	—	—	—	19	—	19
2350 lube oil & greases	0	—	—	—	0	—	0
<b>Total chemicals and related products</b>	<b>8</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal other chemicals and related products</b>	<b>8</b>	<b>8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
3220 alcohols	8	8	—	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>10</b>	<b>6</b>	<b>6</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>10</b>	<b>6</b>	<b>6</b>	<b>—</b>
4161 wood chips	10	—	—	10	—	—	—
4170 wood in the rough	6	—	—	—	6	6	—
<b>Total food and farm products</b>	<b>194</b>	<b>—</b>	<b>134</b>	<b>1</b>	<b>59</b>	<b>—</b>	<b>59</b>
<b>Subtotal fish</b>	<b>60</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>59</b>	<b>—</b>	<b>59</b>
6134 fish (not shellfish)	55	—	—	1	54	—	54
6136 shellfish	5	—	—	—	5	—	5
<b>Subtotal grain</b>	<b>108</b>	<b>—</b>	<b>108</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6241 wheat	67	—	67	—	—	—	—
6344 corn	42	—	42	—	—	—	—
<b>Subtotal oilseeds</b>	<b>25</b>	<b>—</b>	<b>25</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6522 soybeans	25	—	25	—	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	0	—	0	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
7120 electrical machinery	0	—	0	—	—	—	—
7500 textile products	0	0	—	—	—	—	—
7900 manufac. prod. nec	0	0	0	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	0	—	0	—	—	—	—

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Ports included: Bradwood, Wauna, Beaver Point, Rainier and Prescott, OR and Knappton, WA. Controlling Depth: 38 feet. Project Depth: 40 feet at low water in main channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	875	1993	945	1996	882	1999	332
1991	883	1994	901	1997	955		
1992	987	1995	1,003	1998	477		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic			
		Imports	Total	Coastwise		Internal	
			Receipts	Shipments	Receipts	Shipments	
<b>Total, all commodities</b>	<b>332</b>	<b>10</b>	<b>322</b>	<b>243</b>	<b>24</b>	<b>46</b>	<b>9</b>
<b>Total petroleum and petroleum products</b>	<b>3</b>	—	<b>3</b>	—	—	<b>3</b>	—
<b>Subtotal petroleum products</b>	<b>3</b>	—	<b>3</b>	—	—	<b>3</b>	—
2330 distillate fuel oil	0	—	0	—	—	0	—
2340 residual fuel oil	3	—	3	—	—	3	—
<b>Total chemicals and related products</b>	<b>9</b>	—	<b>9</b>	—	4	<b>5</b>	—
<b>Subtotal fertilizers</b>	<b>9</b>	—	<b>9</b>	—	4	<b>5</b>	—
3110 nitrogenous fert.	5	—	5	—	4	1	—
3190 fert. & mixes nec	4	—	4	—	—	4	—
<b>Total crude materials, inedible except fuels</b>	<b>318</b>	<b>10</b>	<b>307</b>	<b>243</b>	<b>21</b>	<b>35</b>	<b>9</b>
<b>Subtotal forest products, wood and chips</b>	<b>318</b>	<b>10</b>	<b>307</b>	<b>243</b>	<b>21</b>	<b>35</b>	<b>9</b>
4150 fuel wood	1	—	1	—	—	1	—
4161 wood chips	282	10	272	218	21	24	8
4170 wood in the rough	34	—	34	25	—	10	0
<b>Total food and farm products</b>	<b>3</b>	—	<b>3</b>	—	—	<b>3</b>	—
<b>Subtotal grain</b>	<b>3</b>	—	<b>3</b>	—	—	<b>3</b>	—
6241 wheat	3	—	3	—	—	3	—

PORT OF LONGVIEW, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 39 feet in channel and 39 feet in turning basin. Project Depth: 40 foot channel in Columbia River and 6,000 foot turning basin at low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	8,681	1993	5,476	1996	5,163	1999	3,984
1991	7,806	1994	6,442	1997	5,540		
1992	6,309	1995	6,167	1998	4,279		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
<b>Total, all commodities</b>	<b>2,924</b>	<b>348</b>	<b>2,507</b>	<b>3</b>	<b>66</b>
<b>Total coal</b>	<b>12</b>	—	<b>12</b>	—	—
1100 coal lignite	12	—	12	—	—
<b>Total petroleum and petroleum products</b>	<b>745</b>	<b>161</b>	<b>518</b>	—	<b>66</b>
<b>Subtotal petroleum products</b>	<b>745</b>	<b>161</b>	<b>518</b>	—	<b>66</b>
2350 lube oil & greases	0	—	0	—	—
2430 asphalt, tar & pitch	162	161	1	—	—
2540 petroleum coke	583	—	517	—	66
<b>Total chemicals and related products</b>	<b>298</b>	<b>30</b>	<b>265</b>	<b>3</b>	—
<b>Subtotal fertilizers</b>	<b>77</b>	<b>27</b>	<b>50</b>	—	—
3110 nitrogenous fert.	27	27	—	—	—
3130 potassic fert.	50	—	50	—	—
<b>Subtotal other chemicals and related products</b>	<b>221</b>	<b>3</b>	<b>215</b>	<b>3</b>	—
3240 nitrogen func. comp.	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	—
3274 sodium hydroxide	15	3	9	3	—
3276 metallic salts	205	—	205	—	—
3285 perfumes & cleansers	0	—	0	—	—
3293 explosives	0	—	0	—	—
3297 chemical additives	0	—	0	—	—
3298 wood & resin chem.	1	—	1	—	—
3299 chem. products nec	0	—	0	—	—

PORT OF LONGVIEW, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
<b>Total crude materials, inedible except fuels</b>	<b>1,059</b>	<b>99</b>	<b>960</b>	—	—
Subtotal forest products, wood and chips	892	0	892	—	—
4170 wood in the rough	880	—	880	—	—
4189 lumber	12	0	12	—	—
Subtotal pulp and waste paper	12	—	12	—	—
4225 pulp & waste paper	12	—	12	—	—
Subtotal iron ore and scrap	1	—	1	—	—
4420 iron & steel scrap	1	—	1	—	—
Subtotal non-ferrous ores and scrap	97	97	0	—	—
4650 aluminum ore	92	92	—	—	—
4680 non-ferrous scrap	0	—	0	—	—
4690 non-ferrous ores nec	4	4	—	—	—
Subtotal sulphur, clay and salt	42	3	40	—	—
4782 clay & refrac. mat.	42	3	40	—	—
Subtotal other non-metal. min.	16	—	16	—	—
4900 non-metal. min. nec	16	—	16	—	—
<b>Total primary manufactured goods</b>	<b>293</b>	<b>31</b>	<b>262</b>	<b>0</b>	—
Subtotal paper products	269	8	261	—	—
5110 newsprint	263	8	255	—	—
5120 paper & paperboard	6	—	6	—	—
Subtotal primary iron and steel products	23	23	0	—	—
5320 i&s primary forms	11	11	—	—	—
5330 i&s plates & sheets	8	8	0	—	—
5360 i&s bars & shapes	2	2	—	—	—
5370 i&s pipe & tube	1	1	—	—	—
5390 primary i&s nec	0	0	—	—	—
Subtotal primary non-ferrous metal products	0	0	0	—	—
5422 aluminum	0	0	—	—	—
5429 smelted prod. nec	0	—	0	—	—
5480 fab. metal products	0	0	—	—	—
Subtotal primary wood products	1	—	1	0	—
5540 primary wood prod.	1	—	1	0	—
<b>Total food and farm products</b>	<b>514</b>	<b>25</b>	<b>489</b>	—	—
Subtotal grain	191	—	191	—	—
6241 wheat	185	—	185	—	—
6344 corn	6	—	6	—	—
Subtotal oilseeds	80	25	55	—	—
6522 soybeans	9	—	9	—	—
6590 oilseeds nec	71	25	46	—	—
Subtotal vegetable products	1	—	1	—	—
6654 vegetables & prod.	1	—	1	—	—
Subtotal processed grain and animal feed	242	—	242	—	—
6781 hay & fodder	5	—	5	—	—
6782 animal feed, prep.	237	—	237	—	—
Subtotal other agricultural products	0	0	0	—	—
6839 animals & prod. nec	0	0	—	—	—
6858 fruit juices	0	—	0	—	—
6889 food products nec	0	—	0	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	—
7110 machinery (not elec)	0	0	0	0	—
7120 electrical machinery	0	0	0	—	—
7210 vehicles & parts	2	2	1	—	—
7400 manufac. wood prod.	0	—	0	—	—
7500 textile products	0	—	0	—	—
7600 rubber & plastic pr.	0	0	—	—	—
7900 manufac. prod. nec	0	0	0	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	—	—
9900 unknown or nec	0	—	0	—	—

Commodity	Total	Domestic				
		Coastwise		Internal		
Receipts	Shipments	Receipts	Shipments	Intraport		
<b>Total, all commodities</b>	<b>1,060</b>	<b>233</b>	<b>67</b>	<b>752</b>	<b>6</b>	<b>2</b>
<b>Total petroleum and petroleum products</b>	<b>50</b>	—	—	<b>50</b>	<b>0</b>	<b>0</b>
Subtotal petroleum products	50	—	—	50	0	0
2330 distillate fuel oil	0	—	—	0	—	—
2340 residual fuel oil	50	—	—	50	0	—
2350 lube oil & greases	0	—	—	0	—	0
<b>Total chemicals and related products</b>	<b>37</b>	<b>33</b>	—	<b>4</b>	—	—
Subtotal other chemicals and related products	37	33	—	4	—	—
3274 sodium hydroxide	37	33	—	4	—	—

PORT OF LONGVIEW, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal		Inraport	
		Receipts	Shipments	Receipts	Shipments		
<b>Total crude materials, inedible except fuels</b>	943	200	49	687	5	2	
<b>Subtotal forest products, wood and chips</b>	943	200	49	687	5	2	
4161 wood chips	743	200	—	543	—	—	
4170 wood in the rough	150	—	—	143	5	2	
4189 lumber	49	—	49	—	—	—	
<b>Total primary manufactured goods</b>	30	—	18	12	—	—	
<b>Subtotal paper products</b>	16	—	16	—	—	—	
5190 paper products nec	16	—	16	—	—	—	
<b>Subtotal primary non-ferrous metal products</b>	12	—	—	12	—	—	
5422 aluminum	12	—	—	12	—	—	
<b>Subtotal primary wood products</b>	1	—	1	—	—	—	
5540 primary wood prod.	1	—	1	—	—	—	
<b>Total food and farm products</b>	0	—	—	0	—	—	
<b>Subtotal fish</b>	0	—	—	0	—	—	
6136 shellfish	0	—	—	0	—	—	
<b>Total all manufactured equipment, machinery and products</b>	0	—	—	0	0	—	
7800 empty containers	0	—	—	0	0	—	

\*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 8 (x1000) tons of foreign outbound in-transits.

PORT OF KALAMA, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 37 feet. Project Depth: 40 feet at low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	6,255	1993	6,501	1996	8,223	1999	6,956
1991	5,881	1994	5,351	1997	8,301		
1992	6,676	1995	11,347	1998	4,717		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports*	Total	Coastwise	Internal	
				Total	Receipts	Shipments	Receipts
					Receipts	Shipments	
<b>Total, all commodities</b>	<b>6,956</b>	<b>472</b>	<b>5,596</b>	<b>888</b>	<b>85</b>	<b>71</b>	<b>724</b>
<b>Total petroleum and petroleum products</b>	<b>33</b>	—	<b>17</b>	<b>17</b>	<b>11</b>	—	<b>6</b>
<b>Subtotal petroleum products</b>	<b>33</b>	—	<b>17</b>	<b>17</b>	<b>11</b>	—	<b>6</b>
2340 residual fuel oil	6	—	—	6	—	—	6
2350 lube oil & greases	2	—	—	2	2	—	0
2430 asphalt, tar & pitch	9	—	—	9	9	—	—
2540 petroleum coke	17	—	17	—	—	—	—
<b>Total chemicals and related products</b>	<b>115</b>	<b>19</b>	<b>21</b>	<b>74</b>	<b>74</b>	—	—
<b>Subtotal fertilizers</b>	<b>6</b>	—	<b>6</b>	—	—	—	—
3130 potassic fert.	6	—	6	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>109</b>	<b>19</b>	<b>15</b>	<b>74</b>	<b>74</b>	—	—
3212 benzene & toluene	91	17	—	74	74	—	—
3220 alcohols	2	2	—	—	—	—	—
3230 carboxylic acids	0	—	0	—	—	—	—
3240 nitrogen func. comp.	0	0	—	—	—	—	—
3276 metallic salts	15	—	15	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—
3286 plastics	0	0	0	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>88</b>	<b>1</b>	<b>0</b>	<b>86</b>	—	<b>71</b>	<b>9</b>
<b>Subtotal forest products, wood and chips</b>	<b>83</b>	<b>1</b>	<b>0</b>	<b>81</b>	—	<b>71</b>	<b>9</b>
4161 wood chips	2	—	—	2	—	—	2
4170 wood in the rough	9	—	—	9	—	—	8
4189 lumber	73	1	0	71	—	71	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>5</b>	—	—	<b>5</b>	—	—	<b>5</b>
4331 sand & gravel	5	—	—	5	—	—	5

PORT OF KALAMA, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports*	Exports*	Coastwise		Internal		
				Total	Receipts	Shipments	Receipts	Shipments
<b>Total primary manufactured goods</b>	<b>451</b>	<b>451</b>	<b>0</b>	—	—	—	—	—
<b>Subtotal paper products</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—
5190 paper products nec	0	0	—	—	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>0</b>	<b>—</b>	—	—	—	—	—
5240 glass & glass prod.	0	0	—	—	—	—	—	—
5290 misc. mineral prod.	0	0	—	—	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>449</b>	<b>449</b>	<b>—</b>	—	—	—	—	—
5315 ferro alloys	8	8	—	—	—	—	—	—
5320 i&s primary forms	1	1	—	—	—	—	—	—
5330 i&s plates & sheets	438	438	—	—	—	—	—	—
5360 i&s bars & shapes	1	1	—	—	—	—	—	—
5370 i&s pipe & tube	2	2	—	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>0</b>	<b>—</b>	—	—	—	—	—
5480 fab. metal products	0	0	—	—	—	—	—	—
<b>Subtotal primary wood products</b>	<b>1</b>	<b>1</b>	<b>—</b>	—	—	—	—	—
5540 primary wood prod.	1	1	—	—	—	—	—	—
<b>Total food and farm products</b>	<b>6,268</b>	<b>0</b>	<b>5,557</b>	<b>711</b>	—	—	<b>708</b>	<b>3</b>
<b>Subtotal grain</b>	<b>5,877</b>	<b>0</b>	<b>5,166</b>	<b>711</b>	—	—	<b>708</b>	<b>3</b>
6241 wheat	2,179	—	1,529	650	—	—	647	3
6344 corn	3,390	—	3,390	—	—	—	—	—
6442 rice	0	0	—	—	—	—	—	—
6443 barley & rye	220	—	158	61	—	—	61	—
6447 sorghum grains	88	—	88	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>286</b>	<b>—</b>	<b>286</b>	<b>—</b>	—	—	—	—
6522 soybeans	277	—	277	—	—	—	—	—
6590 oilseeds nec	9	—	9	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>—</b>	—	—	—	—
6654 vegetables & prod.	2	0	2	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>103</b>	<b>—</b>	<b>103</b>	<b>—</b>	—	—	—	—
6746 wheat flour	17	—	17	—	—	—	—	—
6781 hay & fodder	1	—	1	—	—	—	—	—
6782 animal feed, prep.	85	—	85	—	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	—	—	—	—
6835 fish, prepared	0	0	—	—	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—	—
6858 fruit juices	0	0	—	—	—	—	—	—
6889 food products nec	0	0	—	—	—	—	—	—
6899 farm products nec	0	—	0	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>—</b>	—	—	—	—
7110 machinery (not elec)	0	0	—	—	—	—	—	—
7120 electrical machinery	0	0	0	—	—	—	—	—
7210 vehicles & parts	0	—	0	—	—	—	—	—
7230 ships & boats	0	0	0	—	—	—	—	—
7400 manufac. wood prod.	0	0	0	—	—	—	—	—
7500 textile products	0	0	0	—	—	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—	—	—	—
7900 manufac. prod. nec	0	0	—	—	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	—	—	—	—
9900 unknown or nec	0	—	0	—	—	—	—	—

\*Includes 140 (x1000) tons of foreign inbound in-transits; Includes 99 (x1000) tons of foreign outbound in-transits.

MULTNOMAH CHANNEL, OR

Section Included: A side channel from the Willamette River near Portland, OR, to the Columbia River near St. Helens, OR, a distance of about 22 miles. Controlling Depth: 18 feet in a 300-foot channel at north end; 8 feet in a 250-foot channel at south end; 8 to 50 feet in remainder of channel. Project Depth: 25 feet deep and 5,000 feet long at the Columbia River end; 25 feet deep and 9,500 feet long at the Willamette River end.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,740	1993	1,570	1996	1,783	1999	1,203
1991	1,550	1994	1,360	1997	1,298		
1992	1,405	1995	1,616	1998	1,267		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise Receipts	Internal					
			Inbound Upbound	Downbnd	Outbound Upbound	Downbnd		
<b>Total, all commodities</b>	<b>1,202</b>	<b>72</b>	<b>24</b>	<b>24</b>	<b>1,030</b>	<b>52</b>		
<b>Total petroleum and petroleum products</b>	<b>24</b>	<b>—</b>	<b>—</b>	<b>24</b>	<b>—</b>	<b>—</b>		
<b>Subtotal petroleum products</b>	<b>24</b>	<b>—</b>	<b>—</b>	<b>24</b>	<b>—</b>	<b>—</b>		
2330 distillate fuel oil	0	—	—	0	—	—		
2340 residual fuel oil	24	—	—	24	—	—		
<b>Total crude materials, inedible except fuels</b>	<b>1,178</b>	<b>72</b>	<b>24</b>	<b>—</b>	<b>1,030</b>	<b>52</b>		
<b>Subtotal forest products, wood and chips</b>	<b>97</b>	<b>72</b>	<b>24</b>	<b>—</b>	<b>—</b>	<b>1</b>		
4170 wood in the rough	97	72	24	—	—	1		
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,081</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,030</b>	<b>51</b>		
4331 sand & gravel	1,081	—	—	—	1,030	51		
<b>Ton-miles (x1000)</b>	<b>26,000</b>	<b>1,590</b>	<b>25</b>	<b>587</b>	<b>23,692</b>	<b>107</b>		
<b>Tons All Traffic (x1000)</b>	<b>1,203</b>							
<b>Ton-miles All Traffic (x1000)</b>	<b>26,001</b>							

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR

Section Included: From deep water in the Columbia River to a point above the Portland Union Stock Yards, a distance of nearly 4 miles. Controlling Depth: 10 feet. Project Depth: 20 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	2,101	1993	3,089	1996	2,928	1999	3,717
1991	2,182	1994	3,730	1997	3,608		
1992	2,794	1995	3,592	1998	3,103		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Exports	Domestic			
		Imports*	Exports*		Total	Internal		
						Inbound Upbound	Outbound Downbnd	
<b>Total, all commodities</b>	<b>3,717</b>	<b>866</b>	<b>2,178</b>	<b>22</b>	<b>650</b>	<b>582</b>	<b>68</b>	
<b>Total petroleum and petroleum products</b>	<b>191</b>	<b>138</b>	<b>9</b>	<b>—</b>	<b>44</b>	<b>42</b>	<b>1</b>	
<b>Subtotal petroleum products</b>	<b>191</b>	<b>138</b>	<b>9</b>	<b>—</b>	<b>44</b>	<b>42</b>	<b>1</b>	
2211 gasoline	98	98	—	—	—	—	—	
2221 kerosene	0	—	0	—	—	—	—	
2330 distillate fuel oil	7	—	7	—	—	—	—	
2340 residual fuel oil	59	15	—	—	44	42	1	
2350 lube oil & greases	1	0	1	—	—	—	—	
2410 petro. jelly & waxes	0	—	0	—	—	—	—	
2429 naphtha & solvents	16	16	—	—	—	—	—	
2430 asphalt, tar & pitch	10	10	—	—	—	—	—	
2540 petroleum coke	0	—	0	—	—	—	—	
<b>Total chemicals and related products</b>	<b>92</b>	<b>24</b>	<b>46</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>—</b>	
<b>Subtotal fertilizers</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
3110 nitrogenous fert.	0	0	0	—	—	—	—	
3190 fert. & mixes nec	0	0	0	—	—	—	—	
<b>Subtotal other chemicals and related products</b>	<b>92</b>	<b>24</b>	<b>46</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>—</b>	
3219 other hydrocarbons	0	0	0	—	—	—	—	
3220 alcohols	3	2	2	—	—	—	—	
3230 carboxylic acids	5	0	4	—	—	—	—	
3240 nitrogen func. comp.	1	0	1	—	—	—	—	
3250 organo - inorg. comp.	1	0	0	0	—	—	—	
3260 organic comp. nec	2	0	2	—	—	—	—	
3272 sulphuric acid	1	1	0	—	—	—	—	
3273 ammonia	0	0	—	—	—	—	—	
3274 sodium hydroxide	22	—	—	22	—	—	—	

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian Exports	Domestic			
		Imports*	Exports*		Total	Internal		
						Inbound Upbound	Outbound Downbnd	
3275 inorg. elem., oxides, & halogen salts	6	4	2	—	—	—	—	
3276 metallic salts	3	3	1	—	—	—	—	
3279 inorganic chem. nec	1	1	0	—	—	—	—	
3281 radioactive material	0	0	—	—	—	—	—	
3282 pigments & paints	1	0	1	—	—	—	—	
3283 coloring mat. nec	0	0	0	—	—	—	—	
3284 medicines	0	0	0	—	—	—	—	
3285 perfumes & cleansers	5	2	3	0	—	—	—	
3286 plastics	17	6	11	0	0	0	—	
3291 pesticides	0	0	0	—	—	—	—	
3292 starches, gluten, glue	1	0	1	—	—	—	—	
3293 explosives	0	0	0	—	—	—	—	
3297 chemical additives	0	0	0	—	—	—	—	
3298 wood & resin chem.	15	—	15	—	—	—	—	
3299 chem. products nec	5	2	3	—	—	—	—	
<b>Total crude materials, inedible except fuels</b>	<b>630</b>	<b>68</b>	<b>502</b>	<b>0</b>	<b>60</b>	<b>60</b>	<b>0</b>	
<b>Subtotal forest products, wood and chips</b>	<b>298</b>	<b>67</b>	<b>228</b>	<b>—</b>	<b>2</b>	<b>2</b>	<b>0</b>	
4110 rubber & gums	1	1	—	—	—	—	—	
4150 fuel wood	3	—	3	—	—	—	—	
4161 wood chips	2	—	0	—	2	2	—	
4170 wood in the rough	15	0	15	—	—	—	—	
4189 lumber	278	66	211	—	0	—	0	
4190 forest products nec	0	0	0	—	—	—	—	
<b>Subtotal pulp and waste paper</b>	<b>191</b>	<b>—</b>	<b>189</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>—</b>	
4225 pulp & waste paper	191	—	189	—	3	3	—	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>45</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>44</b>	<b>44</b>	<b>—</b>	
4310 building stone	0	0	—	—	—	—	—	
4322 limestone	0	—	0	—	—	—	—	
4323 gypsum	0	0	0	—	—	—	—	
4331 sand & gravel	45	0	1	—	44	44	—	
<b>Subtotal iron ore and scrap</b>	<b>38</b>	<b>—</b>	<b>31</b>	<b>—</b>	<b>7</b>	<b>7</b>	<b>—</b>	
4420 iron & steel scrap	38	—	31	—	7	7	—	
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
4515 marine shells	0	0	—	—	—	—	—	
<b>Subtotal non-ferrous ores and scrap</b>	<b>26</b>	<b>1</b>	<b>25</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	
4650 aluminum ore	1	—	1	—	—	—	—	
4680 non-ferrous scrap	24	0	24	0	—	—	—	
4690 non-ferrous ores nec	1	1	0	—	—	—	—	
<b>Subtotal sulphur, clay and salt</b>	<b>11</b>	<b>—</b>	<b>8</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>—</b>	
4741 sulphur, (dry)	0	—	0	—	—	—	—	
4782 clay & refrac. mat.	11	—	8	—	3	3	—	
<b>Subtotal slag</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
4860 slag	0	—	0	—	—	—	—	
<b>Subtotal other non-metal. min.</b>	<b>22</b>	<b>0</b>	<b>20</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	
4900 non-metal. min. nec	22	0	20	—	1	1	—	
<b>Total primary manufactured goods</b>	<b>704</b>	<b>238</b>	<b>394</b>	<b>0</b>	<b>72</b>	<b>70</b>	<b>2</b>	
<b>Subtotal paper products</b>	<b>408</b>	<b>8</b>	<b>330</b>	<b>—</b>	<b>70</b>	<b>70</b>	<b>—</b>	
5110 newsprint	38	2	36	—	—	—	—	
5120 paper & paperboard	297	6	291	—	—	—	—	
5190 paper products nec	74	1	3	—	70	70	—	
<b>Subtotal lime, cement and glass</b>	<b>39</b>	<b>21</b>	<b>18</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>	
5220 cement & concrete	4	0	4	—	—	—	—	
5240 glass & glass prod.	3	2	1	—	—	—	—	
5290 misc. mineral prod.	32	19	13	—	0	—	0	
<b>Subtotal primary iron and steel products</b>	<b>177</b>	<b>174</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
5312 pig iron	0	0	0	—	—	—	—	
5315 ferro alloys	0	0	0	—	—	—	—	
5320 i&s primary forms	163	163	—	—	—	—	—	
5330 i&s plates & sheets	7	5	2	—	—	—	—	
5360 i&s bars & shapes	1	0	0	—	—	—	—	
5370 i&s pipe & tube	4	4	0	—	—	—	—	
5390 primary i&s nec	2	2	—	—	—	—	—	
<b>Subtotal primary non-ferrous metal products</b>	<b>38</b>	<b>30</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	
5421 copper	1	1	0	—	—	—	—	
5422 aluminum	2	0	2	—	—	—	—	
5429 smelted prod. nec	3	1	2	—	—	—	—	
5480 fab. metal products	33	29	2	0	2	0	1	
<b>Subtotal primary wood products</b>	<b>41</b>	<b>4</b>	<b>37</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	
5540 primary wood prod.	41	4	37	0	—	—	—	
<b>Total food and farm products</b>	<b>1,376</b>	<b>38</b>	<b>1,154</b>	<b>0</b>	<b>185</b>	<b>185</b>	<b>0</b>	
<b>Subtotal fish</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
6134 fish (not shellfish)	2	0	2	—	—	—	—	
6136 shellfish	3	3	—	—	—	—	—	
<b>Subtotal grain</b>	<b>143</b>	<b>2</b>	<b>123</b>	<b>—</b>	<b>18</b>	<b>18</b>	<b>0</b>	
6241 wheat	116	—	108	—	9	9	—	
6344 corn	17	0	14	—	3	3	0	
6442 rice	2	2	1	—	—	—	—	

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian Exports	Domestic			
		Imports*	Exports*		Total	Internal		
						Inbound Upbound	Outbound Downbnd	
6443 barley & rye	7	—	0	—	7	7	—	
6445 oats	0	—	0	—	—	—	—	
<b>Subtotal oilseeds</b>	<b>4</b>	<b>0</b>	<b>4</b>	—	—	—	—	
6522 soybeans	3	—	3	—	—	—	—	
6590 oilseeds nec	1	0	1	—	—	—	—	
<b>Subtotal vegetable products</b>	<b>301</b>	<b>6</b>	<b>244</b>	—	<b>51</b>	<b>51</b>	<b>0</b>	
6653 vegetable oils	2	1	1	—	—	—	—	
6654 vegetables & prod.	299	5	244	—	51	51	0	
<b>Subtotal processed grain and animal feed</b>	<b>747</b>	<b>1</b>	<b>665</b>	<b>0</b>	<b>80</b>	<b>80</b>	—	
6746 wheat flour	0	—	0	—	—	—	—	
6747 grain mill products	54	1	53	0	0	0	—	
6781 hay & fodder	635	—	564	—	72	72	—	
6782 animal feed, prep.	57	1	48	—	8	8	—	
<b>Subtotal other agricultural products</b>	<b>177</b>	<b>26</b>	<b>116</b>	—	<b>35</b>	<b>35</b>	—	
6811 meat, fresh, frozen	9	0	9	—	—	—	—	
6817 meat, prepared	11	0	11	—	—	—	—	
6822 dairy products	56	0	28	—	28	28	—	
6835 fish, prepared	2	2	1	—	—	—	—	
6838 tallow, animal oils	1	—	1	—	—	—	—	
6839 animals & prod. nec	19	0	16	—	3	3	—	
6856 bananas & plantains	0	—	—	—	—	—	—	
6857 fruit & nuts nec	5	0	5	—	—	—	—	
6858 fruit juices	24	10	14	—	—	—	—	
6871 coffee	1	1	0	—	—	—	—	
6872 cocoa beans	0	0	0	—	—	—	—	
6885 alcoholic beverages	10	8	2	—	—	—	—	
6888 water & ice	1	1	—	—	—	—	—	
6889 food products nec	14	2	12	—	0	0	—	
6891 tobacco & products	0	—	0	—	—	—	—	
6893 cotton	1	—	1	—	—	—	—	
6894 natural fibers nec	0	0	—	—	—	—	—	
6899 farm products nec	22	1	17	—	4	4	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>708</b>	<b>360</b>	<b>59</b>	<b>0</b>	<b>289</b>	<b>225</b>	<b>65</b>	
7110 machinery (not elec)	29	17	12	0	—	—	—	
7120 electrical machinery	27	23	4	0	—	—	—	
7210 vehicles & parts	257	234	23	0	—	—	—	
7220 aircraft & parts	0	0	0	—	—	—	—	
7230 ships & boats	0	0	0	—	—	—	—	
7300 ordnance & access.	0	—	0	—	—	—	—	
7400 manufac. wood prod.	10	3	7	—	—	—	—	
7500 textile products	13	10	2	0	—	—	—	
7600 rubber & plastic pr.	12	10	1	—	—	—	—	
7800 empty containers	243	—	—	—	243	197	46	
7900 manufac. prod. nec	117	62	8	0	47	28	19	
<b>Total unknown or not elsewhere classified</b>	<b>15</b>	<b>1</b>	<b>14</b>	—	—	—	—	
9900 unknown or nec	15	1	14	—	—	—	—	

\*Includes 22 (x1000) tons of foreign inbound in-transits; Includes 63 (x1000) tons of foreign outbound in-transits.

PORT OF VANCOUVER, WA

Section Included: (Statistics for that section of the port below Interstate Bridge are also included in the statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Interstate Bridge are also included in statistics for Columbia River from Vancouver, WA, to the Dalles, OR). Controlling Depth: 35 feet at low water for that section of the port below Railroad Bridge and 14 feet for that section of the port above Interstate Bridge. Project Depth: 40 feet at low water in the lower turning basin and 35 feet at low water in the upper turning basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	7,073	1993	7,380	1996	7,704	1999	7,825
1991	6,485	1994	6,281	1997	7,838		
1992	6,839	1995	7,535	1998	7,849		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian Imports
		Imports*	Exports*	
<b>Total, all commodities</b>	<b>5,372</b>	<b>1,019</b>	<b>4,347</b>	<b>6</b>
<b>Total petroleum and petroleum products</b>	<b>7</b>	<b>7</b>	—	—
<b>Subtotal petroleum products</b>	<b>7</b>	<b>7</b>	—	—
2211 gasoline	7	7	—	—

PORT OF VANCOUVER, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian Imports
		Imports*	Exports*	
<b>Total chemicals and related products</b>	277	86	186	5
<b>Subtotal fertilizers</b>	90	56	34	—
3110 nitrogenous fert.	46	41	4	—
3130 potassic fert.	30	—	30	—
3190 fert. & mixes nec	15	15	—	—
<b>Subtotal other chemicals and related products</b>	187	31	151	5
3211 acyclic hydrocarbons	0	0	—	—
3212 benzene & toluene	5	5	—	—
3220 alcohols	29	23	—	5
3250 organo - inorg. comp.	0	0	—	—
3276 metallic salts	148	2	146	—
3286 plastics	1	0	0	—
3293 explosives	0	—	0	—
3297 chemical additives	1	—	1	—
3298 wood & resin chem.	3	—	3	—
3299 chem. products nec	0	—	0	—
<b>Total crude materials, inedible except fuels</b>	897	558	339	—
<b>Subtotal forest products, wood and chips</b>	26	8	18	—
4170 wood in the rough	0	—	0	—
4189 lumber	26	8	18	—
<b>Subtotal pulp and waste paper</b>	132	25	107	—
4225 pulp & waste paper	132	25	107	—
<b>Subtotal non-ferrous ores and scrap</b>	567	526	41	—
4630 copper ore	23	—	23	—
4650 aluminum ore	526	526	—	—
4690 non-ferrous ores nec	18	—	18	—
<b>Subtotal sulphur, clay and salt</b>	172	—	172	—
4782 clay & refrac. mat.	172	—	172	—
<b>Total primary manufactured goods</b>	286	285	1	—
<b>Subtotal paper products</b>	2	2	1	—
5120 paper & paperboard	2	2	1	—
<b>Subtotal lime, cement and glass</b>	0	0	0	—
5240 glass & glass prod.	0	0	—	—
5290 misc. mineral prod.	0	0	0	—
<b>Subtotal primary iron and steel products</b>	244	244	—	—
5320 i&s primary forms	76	76	—	—
5330 i&s plates & sheets	76	76	—	—
5360 i&s bars & shapes	35	35	—	—
5370 i&s pipe & tube	46	46	—	—
5390 primary i&s nec	11	11	—	—
<b>Subtotal primary non-ferrous metal products</b>	0	0	0	—
5480 fab. metal products	0	0	0	—
<b>Subtotal primary wood products</b>	40	39	1	—
5540 primary wood prod.	40	39	1	—
<b>Total food and farm products</b>	3,818	0	3,818	—
<b>Subtotal grain</b>	3,685	—	3,685	—
6241 wheat	3,613	—	3,613	—
6344 corn	60	—	60	—
6443 barley & rye	11	—	11	—
<b>Subtotal oilseeds</b>	88	—	88	—
6522 soybeans	88	—	88	—
<b>Subtotal vegetable products</b>	0	—	0	—
6653 vegetable oils	0	—	0	—
6654 vegetables & prod.	0	—	0	—
<b>Subtotal processed grain and animal feed</b>	44	—	44	—
6746 wheat flour	4	—	4	—
6781 hay & fodder	2	—	2	—
6782 animal feed, prep.	38	—	38	—
<b>Subtotal other agricultural products</b>	0	0	0	—
6839 animals & prod. nec	0	0	0	—
6885 alcoholic beverages	0	0	—	—
<b>Total all manufactured equipment, machinery and products</b>	86	82	3	0
7110 machinery (not elec)	2	0	1	0
7120 electrical machinery	1	1	—	—
7210 vehicles & parts	81	80	1	—
7230 ships & boats	0	0	—	—
7400 manufac. wood prod.	1	0	1	—
7500 textile products	0	0	0	—
7600 rubber & plastic pr.	0	0	—	—
7900 manufac. prod. nec	1	0	0	—
<b>Total unknown or not elsewhere classified</b>	1	0	1	0
9900 unknown or nec	1	0	1	0

PORT OF VANCOUVER, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
Receipts	Shipments	Receipts	Shipments	Inraport		
<b>Total, all commodities</b>	<b>2,453</b>	<b>54</b>	<b>5</b>	<b>1,351</b>	<b>1,006</b>	<b>37</b>
<b>Total petroleum and petroleum products</b>	<b>624</b>	<b>53</b>	<b>4</b>	<b>112</b>	<b>419</b>	<b>37</b>
<b>Subtotal petroleum products</b>	<b>624</b>	<b>53</b>	<b>4</b>	<b>112</b>	<b>419</b>	<b>37</b>
2211 gasoline	276	31	—	—	228	17
2330 distillate fuel oil	269	22	—	40	187	20
2340 residual fuel oil	80	—	4	72	4	—
2350 lube oil & greases	0	—	—	0	—	—
<b>Total chemicals and related products</b>	<b>21</b>	<b>—</b>	<b>1</b>	<b>20</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>21</b>	<b>—</b>	<b>1</b>	<b>20</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	1	—	1	—	—	—
3190 fert. & mixes nec	20	—	—	20	—	—
<b>Total crude materials, inedible except fuels</b>	<b>387</b>	<b>—</b>	<b>—</b>	<b>12</b>	<b>375</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>
4161 wood chips	3	—	—	—	3	—
4170 wood in the rough	0	—	—	—	0	—
<b>Subtotal pulp and waste paper</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>10</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	10	—	—	10	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>374</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>372</b>	<b>—</b>
4331 sand & gravel	374	—	—	3	372	—
<b>Total primary manufactured goods</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
5360 i&s bars & shapes	0	—	—	—	0	—
<b>Total food and farm products</b>	<b>1,165</b>	<b>—</b>	<b>—</b>	<b>1,165</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	—	—	0	—	—
<b>Subtotal grain</b>	<b>1,165</b>	<b>—</b>	<b>—</b>	<b>1,165</b>	<b>—</b>	<b>—</b>
6241 wheat	1,162	—	—	1,162	—	—
6443 barley & rye	3	—	—	3	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>74</b>	<b>1</b>	<b>—</b>	<b>35</b>	<b>38</b>	<b>—</b>
7110 machinery (not elec)	1	1	—	—	—	—
7800 empty containers	73	—	—	35	38	—
<b>Total waste and scrap nec</b>	<b>181</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>175</b>	<b>—</b>
8900 waste and scrap nec	181	—	—	6	175	—

\*Includes 12 (x1000) tons of foreign inbound in-transits; Includes 95 (x1000) tons of foreign outbound in-transits.

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR

Section Included: Columbia River between Vancouver, WA, and the Dalles, OR, a distance of about 85 miles. Controlling Depth: 15 feet between Vancouver and the Dalles. Project Depth: 27 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	9,735	1993	10,843	1996	10,733	1999	9,396
1991	10,210	1994	11,277	1997	10,923		
1992	10,671	1995	11,626	1998	9,910		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Coastwise		
		Receipts	Shipments	Through Downbnd
<b>Total, all commodities</b>	<b>47</b>	<b>15</b>	<b>13</b>	<b>18</b>
<b>Total petroleum and petroleum products</b>	<b>15</b>	<b>15</b>	<b>—</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>15</b>	<b>15</b>	<b>—</b>	<b>—</b>
2211 gasoline	4	4	—	—
2330 distillate fuel oil	11	11	—	—
<b>Total chemicals and related products</b>	<b>15</b>	<b>—</b>	<b>—</b>	<b>15</b>
<b>Subtotal fertilizers</b>	<b>15</b>	<b>—</b>	<b>—</b>	<b>15</b>
3110 nitrogenous fert.	15	—	—	15
<b>Total crude materials, inedible except fuels</b>	<b>13</b>	<b>—</b>	<b>13</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>13</b>	<b>—</b>	<b>13</b>	<b>—</b>
4170 wood in the rough	13	—	13	—

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Coastwise							
			Receipts	Shipments	Through Downbnd					
<b>Total all manufactured equipment, machinery and products</b>		<b>3</b>	—	—	<b>3</b>					
7800 empty containers		3	—	—	3					
<b>Ton-miles (x1000)</b>		<b>2,549</b>	<b>15</b>	<b>971</b>	<b>1,563</b>					
<b>Coastwise</b>										
Commodity	Total		Internal							
			Inbound	Outbound	Through	Intra				
			Upbound	Downbnd	Upbound	Downbnd				
<b>Total, all commodities</b>	<b>9,350</b>		<b>96</b>	<b>330</b>	<b>5</b>	<b>431</b>	<b>2,439</b>	<b>5,878</b>	<b>8</b>	<b>162</b>
<b>Total petroleum and petroleum products</b>	<b>2,099</b>		<b>2</b>	—	—	—	<b>2,097</b>	—	—	—
<b>Subtotal petroleum products</b>	<b>2,099</b>		<b>2</b>	—	—	—	<b>2,097</b>	—	—	—
2211 gasoline	1,193	—	—	—	—	—	1,193	—	—	—
2330 distillate fuel oil	903	—	—	—	—	—	903	—	—	—
2340 residual fuel oil	2	2	—	—	—	—	—	—	—	—
<b>Total chemicals and related products</b>	<b>70</b>		—	—	—	—	<b>62</b>	<b>8</b>	—	—
<b>Subtotal fertilizers</b>	<b>25</b>		—	—	—	—	<b>17</b>	<b>8</b>	—	—
3110 nitrogenous fert.	1	—	—	—	—	—	—	1	—	—
3190 fert. & mixes nec	24	—	—	—	—	—	17	7	—	—
<b>Subtotal other chemicals and related products</b>	<b>45</b>		—	—	—	—	<b>45</b>	<b>0</b>	—	—
3273 ammonia	12	—	—	—	—	—	12	—	—	—
3274 sodium hydroxide	33	—	—	—	—	—	33	—	—	—
3286 plastics	0	—	—	—	—	—	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>1,546</b>		<b>93</b>	<b>330</b>	<b>5</b>	<b>318</b>	<b>0</b>	<b>629</b>	<b>8</b>	<b>162</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,063</b>		—	<b>110</b>	—	<b>311</b>	<b>0</b>	<b>482</b>	<b>6</b>	<b>155</b>
4150 fuel wood	1	—	—	—	—	—	—	1	—	—
4161 wood chips	781	—	110	—	134	—	470	—	—	67
4170 wood in the rough	280	—	—	—	177	—	10	6	—	88
4189 lumber	1	—	—	—	0	0	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>14</b>		—	—	—	—	—	<b>14</b>	—	—
4225 pulp & waste paper	14	—	—	—	—	—	—	14	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>452</b>		<b>93</b>	<b>220</b>	<b>5</b>	<b>7</b>	—	<b>117</b>	<b>3</b>	<b>7</b>
4331 sand & gravel	452	93	220	5	7	—	—	117	3	7
<b>Subtotal iron ore and scrap</b>	<b>11</b>		—	—	—	—	—	<b>11</b>	—	—
4420 iron & steel scrap	11	—	—	—	—	—	—	11	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>3</b>		—	—	—	—	—	<b>3</b>	—	—
4782 clay & refrac. mat.	3	—	—	—	—	—	—	3	—	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>		—	—	—	—	—	<b>1</b>	—	—
4900 non-metal. min. nec	1	—	—	—	—	—	—	1	—	—
<b>Total primary manufactured goods</b>	<b>84</b>		<b>0</b>	—	—	<b>12</b>	<b>2</b>	<b>70</b>	—	—
<b>Subtotal paper products</b>	<b>70</b>		—	—	—	—	—	<b>70</b>	—	—
5190 paper products nec	70	—	—	—	—	—	—	70	—	—

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	—	—	—	0	—	—	—
5290 misc. mineral prod.	0	—	—	—	—	0	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>0</b>	—	—	1	—	—	—	—
5360 i&s bars & shapes	1	0	—	—	1	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>13</b>	—	—	—	12	1	0	—	—
5422 aluminum	12	—	—	—	12	—	1	0	—
5480 fab. metal products	2	—	—	—	—	—	—	—	—
<b>Total food and farm products</b>	<b>5,007</b>	<b>0</b>	—	—	101	0	<b>4,906</b>	—	—
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	—	—
6134 fish (not shellfish)	0	0	—	—	—	—	—	—	—
6136 shelffish	0	0	—	—	—	—	—	—	—
<b>Subtotal grain</b>	<b>4,840</b>	—	—	—	96	0	<b>4,744</b>	—	—
6241 wheat	4,543	—	—	—	93	—	4,451	—	—
6344 corn	11	—	—	—	—	0	11	—	—
6443 barley & rye	286	—	—	—	3	—	282	—	—
<b>Subtotal vegetable products</b>	<b>51</b>	—	—	—	1	0	<b>50</b>	—	—
6654 vegetables & prod.	51	—	—	—	1	0	50	—	—
<b>Subtotal processed grain and animal feed</b>	<b>80</b>	—	—	—	3	—	<b>77</b>	—	—
6747 grain mill products	0	—	—	—	—	—	0	—	—
6781 hay & fodder	72	—	—	—	—	—	72	—	—
6782 animal feed, prep.	8	—	—	—	3	—	5	—	—
<b>Subtotal other agricultural products</b>	<b>35</b>	—	—	—	—	—	<b>35</b>	—	—
6822 dairy products	28	—	—	—	—	—	28	—	—
6839 animals & prod. nec	3	—	—	—	—	—	3	—	—
6889 food products nec	0	—	—	—	—	—	0	—	—
6899 farm products nec	4	—	—	—	—	—	4	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>363</b>	<b>0</b>	—	<b>0</b>	—	<b>103</b>	<b>260</b>	—	—
7800 empty containers	316	0	—	0	—	84	232	—	—
7900 manufac. prod. nec	47	—	—	—	—	19	28	—	—
<b>Total waste and scrap nec</b>	<b>181</b>	—	—	—	—	<b>175</b>	<b>6</b>	—	—
8900 waste and scrap nec	181	—	—	—	—	175	6	—	—
Ton-miles Internal (x1000)	770,529	1,251	23,796	372	32,320	207,289	499,653	14	5,835
Tons All Traffic (x1000)					9,396				
Ton-miles All Traffic (x1000)					773,077				

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND WA

Section Included: Columbia River between the Dalles Dam and McNary Lock and Dam, a distance of about 91 miles. Controlling Depth: within the Dalles and John Day Pools, 14 feet. Project Depth: 14 feet at adopted low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	7,392	1993	8,469	1996	9,061	1999	8,700
1991	7,665	1994	9,246	1997	9,754		
1992	7,580	1995	9,802	1998	9,166		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise		Internal				Through	
		Through	Downbnd	Inbound	Upbound	Outbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>8,700</b>	<b>18</b>		<b>625</b>	<b>28</b>	<b>2</b>	<b>1,348</b>	<b>1,819</b>	<b>4,860</b>
<b>Total petroleum and petroleum products</b>	<b>2,101</b>	<b>—</b>		<b>364</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>1,733</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>2,101</b>	<b>—</b>		<b>364</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>1,733</b>	<b>—</b>
2211 gasoline	1,193	—		1	—	—	—	1,192	—
2330 distillate fuel oil	907	—		362	2	1	—	541	—
<b>Total chemicals and related products</b>	<b>110</b>	<b>15</b>		<b>7</b>	<b>25</b>	<b>—</b>	<b>5</b>	<b>55</b>	<b>3</b>
<b>Subtotal fertilizers</b>	<b>65</b>	<b>15</b>		<b>7</b>	<b>25</b>	<b>—</b>	<b>5</b>	<b>10</b>	<b>3</b>
3110 nitrogenous fert.	19	15	—	—	3	—	1	—	—
3190 fert. & mixes nec	47	—	—	7	23	—	4	10	3
<b>Subtotal other chemicals and related products</b>	<b>45</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>45</b>	<b>0</b>
3273 ammonia	12	—	—	—	—	—	—	12	—
3274 sodium hydroxide	33	—	—	—	—	—	—	33	—
3286 plastics	0	—	—	—	—	—	—	—	0
<b>Total crude materials, inedible except fuels</b>	<b>964</b>	<b>—</b>		<b>5</b>	<b>—</b>	<b>—</b>	<b>512</b>	<b>0</b>	<b>447</b>
<b>Subtotal forest products, wood and chips</b>	<b>592</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>175</b>	<b>0</b>	<b>417</b>
4150 fuel wood	1	—	—	—	—	—	—	—	1
4161 wood chips	580	—	—	—	—	—	175	—	405
4170 wood in the rough	10	—	—	—	—	—	—	—	10
4189 lumber	0	—	—	—	—	—	—	0	—
<b>Subtotal pulp and waste paper</b>	<b>14</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>14</b>
4225 pulp & waste paper	14	—	—	—	—	—	—	—	14
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>342</b>	<b>—</b>		<b>5</b>	<b>—</b>	<b>—</b>	<b>337</b>	<b>—</b>	<b>—</b>
4331 sand & gravel	342	—	—	5	—	—	337	—	—
<b>Subtotal iron ore and scrap</b>	<b>11</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>11</b>
4420 iron & steel scrap	11	—	—	—	—	—	—	—	11
<b>Subtotal sulphur, clay and salt</b>	<b>3</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>
4782 clay & refrac. mat.	3	—	—	—	—	—	—	—	3
<b>Subtotal other non-metal min.</b>	<b>1</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>
4900 non-metal. min. nec	1	—	—	—	—	—	—	—	1
<b>Total primary manufactured goods</b>	<b>72</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>70</b>
<b>Subtotal paper products</b>	<b>70</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>70</b>
5190 paper products nec	70	—	—	—	—	—	—	—	70
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
5290 misc. mineral prod.	0	—	—	—	—	—	—	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>2</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>0</b>
5480 fab. metal products	2	—	—	—	—	—	—	1	0
<b>Total food and farm products</b>	<b>4,906</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>609</b>	<b>0</b>	<b>4,296</b>
<b>Subtotal grain</b>	<b>4,744</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>593</b>	<b>0</b>	<b>4,150</b>
6241 wheat	4,451	—	—	—	—	—	552	—	3,899
6344 corn	11	—	—	—	—	—	7	0	3
6443 barley & rye	282	—	—	—	—	—	34	—	248
<b>Subtotal vegetable products</b>	<b>50</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>0</b>	<b>43</b>
6654 vegetables & prod.	50	—	—	—	—	—	7	0	43
<b>Subtotal processed grain and animal feed</b>	<b>77</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>9</b>	<b>—</b>	<b>68</b>
6747 grain mill products	0	—	—	—	—	—	0	—	—
6781 hay & fodder	72	—	—	—	—	—	3	—	68
6782 animal feed, prep.	5	—	—	—	—	—	5	—	—
<b>Subtotal other agricultural products</b>	<b>35</b>	<b>—</b>		<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>35</b>
6822 dairy products	28	—	—	—	—	—	—	—	28
6839 animals & prod. nec	3	—	—	—	—	—	—	—	3
6889 food products nec	0	—	—	—	—	—	0	—	0

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise		Internal					
		Through	Downbnd	Inbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
6899 farm products nec	4	—	—	—	—	—	—	—	4
<b>Total all manufactured equipment, machinery and products</b>	<b>366</b>	<b>3</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>215</b>	<b>29</b>	<b>44</b>	
7800 empty containers	319	3	55	—	—	214	28	18	
7900 manufac. prod. nec	47	—	19	0	0	1	0	26	
<b>Total waste and scrap nec</b>	<b>181</b>	<b>—</b>	<b>175</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>—</b>	
8900 waste and scrap nec	181	—	175	—	—	6	—	—	
<b>Ton-miles (x1000)</b>	<b>789,141</b>	<b>1,802</b>	<b>56,362</b>	<b>0</b>	<b>0</b>	<b>76,393</b>	<b>178,274</b>	<b>476,311</b>	
<b>Tons All Traffic (x1000)</b>			<b>8,700</b>						
<b>Ton-miles All Traffic (x1000)</b>			<b>789,142</b>						

PORT OF PORTLAND, OR

Section Included: (Statistics for that section of Portland Harbor below Ross Island Bridge are also included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Ross Island Bridge are also included in statistics for Willamette River above Portland and Yamhill River, OR). Controlling depth: 28 feet from mouth to Broadway Bridge; 20 feet at low water above Ross Island Bridge to Lake Oswego; 9 feet to Oregon City. Project Depth: 40 feet at low water below Broadway Bridge; 30 feet from Broadway Bridge to foot of Ross Island, maintained by port of Portland; 8 feet at low water above foot of Ross Island. Statistics for section of Oregon Slough (North Portland Harbor), OR, are also included. Controlling Depth: 10 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	27,475	1993	29,804	1996	29,734	<b>1999</b>	<b>29,339</b>
1991	29,299	1994	30,164	1997	29,561		
1992	28,227	1995	31,256	1998	29,974		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
<b>Total, all commodities</b>	<b>16,439</b>	<b>3,964</b>	<b>11,718</b>	<b>734</b>	<b>22</b>
<b>Total petroleum and petroleum products</b>	<b>1,132</b>	<b>886</b>	<b>9</b>	<b>237</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>256</b>	<b>256</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	256	256	—	—	—
<b>Subtotal petroleum products</b>	<b>876</b>	<b>630</b>	<b>9</b>	<b>237</b>	<b>—</b>
2211 gasoline	612	517	—	96	—
2221 kerosene	22	21	0	—	—
2330 distillate fuel oil	178	51	8	119	—
2340 residual fuel oil	37	15	—	23	—
2350 lube oil & greases	1	0	1	—	—
2410 petro. jelly & waxes	0	—	0	—	—
2429 naphtha & solvents	16	16	—	—	—
2430 asphalt, tar & pitch	10	10	—	—	—
2540 petroleum coke	0	—	0	—	—
<b>Total chemicals and related products</b>	<b>4,040</b>	<b>217</b>	<b>3,771</b>	<b>30</b>	<b>22</b>
<b>Subtotal fertilizers</b>	<b>2,050</b>	<b>86</b>	<b>1,952</b>	<b>12</b>	<b>0</b>
3110 nitrogenous fert.	117	80	26	12	—
3130 potassic fert.	1,926	—	1,926	—	0
3190 fert. & mixes nec	7	6	0	—	—
<b>Subtotal other chemicals and related products</b>	<b>1,989</b>	<b>131</b>	<b>1,819</b>	<b>18</b>	<b>22</b>
3219 other hydrocarbons	0	0	0	—	—
3220 alcohols	86	84	2	—	—
3230 carboxylic acids	5	1	5	—	—
3240 nitrogen func. comp.	1	0	1	—	—
3250 organo - inorg. comp.	1	1	0	—	0
3260 organic comp. nec	2	0	2	—	—
3272 sulphuric acid	1	1	0	—	—
3273 ammonia	12	0	—	12	—
3274 sodium hydroxide	22	—	—	—	22
3275 inorg. elem., oxides, & halogen salts	27	25	3	—	—
3276 metallic salts	1,775	5	1,769	—	—
3279 inorganic chem. nec	1	1	0	—	—
3281 radioactive material	0	0	—	—	—
3282 pigments & paints	2	0	1	—	—
3283 coloring mat. nec	0	0	0	—	—
3284 medicines	0	0	0	—	—
3285 perfumes & cleansers	6	2	4	—	0
3286 plastics	—	7	13	—	0

PORT OF PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Foreign		Canadian	
			Imports*	Exports*	Imports	Exports
3291	pesticides	0	0	0	—	—
3292	starches, gluten, glue	2	0	1	—	—
3293	explosives	1	1	0	—	—
3297	chemical additives	0	0	0	—	—
3298	wood & resin chem.	21	—	15	6	—
3299	chem. products nec	5	3	3	—	—
<b>Total crude materials, inedible except fuels</b>		<b>1,799</b>	<b>740</b>	<b>592</b>	<b>467</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>		<b>411</b>	<b>133</b>	<b>277</b>	—	—
4110	rubber & gums	1	1	—	—	—
4150	fuel wood	3	—	3	—	—
4161	wood chips	0	—	0	—	—
4170	wood in the rough	21	0	20	—	—
4189	lumber	386	132	254	—	—
4190	forest products nec	0	0	0	—	—
<b>Subtotal pulp and waste paper</b>		<b>211</b>	<b>1</b>	<b>210</b>	—	—
4225	pulp & waste paper	211	—	210	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>		<b>469</b>	<b>0</b>	<b>1</b>	<b>467</b>	—
4310	building stone	0	0	—	—	—
4322	limestone	468	—	0	467	—
4323	gypsum	0	0	0	—	—
4331	sand & gravel	1	0	1	—	—
<b>Subtotal iron ore and scrap</b>		<b>32</b>	—	<b>32</b>	—	—
4420	iron & steel scrap	32	—	32	—	—
<b>Subtotal marine shells</b>		<b>0</b>	<b>0</b>	—	—	—
4515	marine shells	0	0	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>		<b>268</b>	<b>227</b>	<b>41</b>	—	<b>0</b>
4650	aluminum ore	227	226	1	—	—
4680	non-ferrous scrap	26	0	26	—	0
4690	non-ferrous ores nec	16	1	15	—	—
<b>Subtotal sulphur, clay and salt</b>		<b>9</b>	—	<b>9</b>	—	—
4741	sulphur, (dry)	0	—	0	—	—
4782	clay & refrac. mat.	9	—	9	—	—
<b>Subtotal slag</b>		<b>0</b>	—	<b>0</b>	—	—
4860	slag	0	—	0	—	—
<b>Subtotal other non-metal. min.</b>		<b>399</b>	<b>378</b>	<b>20</b>	—	—
4900	non-metal. min. nec	399	378	20	—	—
<b>Total primary manufactured goods</b>		<b>1,884</b>	<b>1,451</b>	<b>432</b>	—	<b>0</b>
<b>Subtotal paper products</b>		<b>371</b>	<b>10</b>	<b>361</b>	—	—
5110	newsprint	40	2	37	—	—
5120	paper & paperboard	326	7	319	—	—
5190	paper products nec	6	1	5	—	—
<b>Subtotal lime, cement and glass</b>		<b>560</b>	<b>541</b>	<b>19</b>	—	—
5220	cement & concrete	518	514	4	—	—
5240	glass & glass prod.	4	3	1	—	—
5290	misc. mineral prod.	38	24	14	—	—
<b>Subtotal primary iron and steel products</b>		<b>863</b>	<b>860</b>	<b>3</b>	—	—
5312	pig iron	51	50	1	—	—
5315	ferro alloys	41	41	0	—	—
5320	i&s primary forms	448	448	0	—	—
5330	i&s plates & sheets	112	110	2	—	—
5360	i&s bars & shapes	36	36	0	—	—
5370	i&s pipe & tube	17	17	0	—	—
5390	primary i&s nec	158	158	—	—	—
<b>Subtotal primary non-ferrous metal products</b>		<b>41</b>	<b>34</b>	<b>8</b>	—	<b>0</b>
5421	copper	2	2	0	—	—
5422	aluminum	2	0	2	—	0
5429	smelted prod. nec	3	1	2	—	—
5480	fab. metal products	34	31	3	—	0
<b>Subtotal primary wood products</b>		<b>48</b>	<b>7</b>	<b>41</b>	—	<b>0</b>
5540	primary wood prod.	48	7	41	—	0
<b>Total food and farm products</b>		<b>6,876</b>	<b>58</b>	<b>6,818</b>	—	<b>0</b>
<b>Subtotal fish</b>		<b>5</b>	<b>3</b>	<b>2</b>	—	—
6134	fish (not shellfish)	2	0	2	—	—
6136	shellfish	3	3	—	—	—
<b>Subtotal grain</b>		<b>5,517</b>	<b>2</b>	<b>5,515</b>	—	—
6241	wheat	5,257	—	5,257	—	—
6344	corn	37	0	37	—	—
6442	rice	2	2	1	—	—
6443	barley & rye	219	—	219	—	—
6445	oats	0	—	0	—	—
<b>Subtotal oilseeds</b>		<b>26</b>	<b>0</b>	<b>26</b>	—	—
6522	soybeans	20	—	20	—	—
6590	oilseeds nec	6	0	6	—	—
<b>Subtotal vegetable products</b>		<b>286</b>	<b>8</b>	<b>278</b>	—	—
6653	vegetable oils	3	2	1	—	—
6654	vegetables & prod.	283	6	277	—	—
<b>Subtotal processed grain and animal feed</b>		<b>872</b>	<b>3</b>	<b>869</b>	—	<b>0</b>
6746	wheat flour	1	—	1	—	—
6747	grain mill products	59	1	58	—	0
6781	hay & fodder	643	—	643	—	—
6782	animal feed, prep.	169	2	166	—	—
<b>Subtotal other agricultural products</b>		<b>170</b>	<b>41</b>	<b>129</b>	—	—
6811	meat, fresh, frozen	11	0	11	—	—

PORT OF PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
6817 meat, prepared	11	0	11	—	—
6822 dairy products	29	0	29	—	—
6835 fish, prepared	2	2	1	—	—
6838 tallow, animal oils	1	0	1	—	—
6839 animals & prod. nec	17	0	17	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	6	0	6	—	—
6858 fruit juices	29	12	16	—	—
6861 sugar	0	0	—	—	—
6871 coffee	1	1	0	—	—
6872 cocoa beans	0	0	—	—	—
6885 alcoholic beverages	18	16	2	—	—
6888 water & ice	2	2	—	—	—
6889 food products nec	16	2	14	—	—
6891 tobacco & products	0	—	0	—	—
6893 cotton	1	—	1	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	24	4	20	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>692</b>	<b>611</b>	<b>80</b>	—	<b>0</b>
7110 machinery (not elec)	38	21	17	—	0
7120 electrical machinery	36	30	7	—	0
7210 vehicles & parts	494	468	26	—	0
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	0	—	0	—	—
7400 manufac. wood prod.	11	3	8	—	—
7500 textile products	14	11	3	—	0
7600 rubber & plastic pr.	13	11	2	—	—
7900 manufac. prod. nec	84	67	17	—	0
<b>Total unknown or not elsewhere classified</b>	<b>17</b>	<b>1</b>	<b>16</b>	<b>0</b>	—
9900 unknown or nec	17	1	16	0	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total, all commodities</b>	<b>12,900</b>	<b>4,323</b>	<b>187</b>	<b>5,169</b>	<b>2,387</b>	<b>834</b>
<b>Total petroleum and petroleum products</b>	<b>6,993</b>	<b>4,173</b>	<b>88</b>	<b>198</b>	<b>2,208</b>	<b>326</b>
Subtotal crude petroleum	27	27	—	—	—	—
2100 crude petroleum	27	27	—	—	—	—
Subtotal petroleum products	6,966	4,146	88	198	2,208	326
2211 gasoline	4,032	2,657	1	161	1,127	86
2221 kerosene	18	18	—	—	—	—
2330 distillate fuel oil	1,827	953	23	32	790	28
2340 residual fuel oil	824	278	40	5	290	211
2350 lube oil & greases	110	108	—	—	1	0
2429 naphtha & solvents	9	—	9	—	—	—
2430 asphalt, tar & pitch	146	132	14	—	—	—
<b>Total chemicals and related products</b>	<b>281</b>	<b>146</b>	<b>65</b>	<b>5</b>	<b>66</b>	—
Subtotal fertilizers	118	104	2	5	7	—
3110 nitrogenous fert.	105	104	2	—	—	—
3190 fert. & mixes nec	12	—	—	5	7	—
Subtotal other chemicals and related products	164	42	63	0	58	—
3220 alcohols	15	2	13	—	—	—
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	75	40	23	—	12	—
3274 sodium hydroxide	73	—	26	—	47	—
3286 plastics	1	—	1	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>2,087</b>	<b>4</b>	<b>13</b>	<b>1,535</b>	<b>43</b>	<b>493</b>
Subtotal forest products, wood and chips	15	0	13	2	0	—
4161 wood chips	2	—	—	2	—	—
4170 wood in the rough	1	—	1	—	—	—
4189 lumber	12	0	11	0	0	—
Subtotal pulp and waste paper	4	—	—	4	—	—
4225 pulp & waste paper	4	—	—	4	—	—
Subtotal soil, sand, gravel, rock and stone	2,048	—	—	1,512	43	493
4331 sand & gravel	2,048	—	—	1,512	43	493
Subtotal iron ore and scrap	15	4	—	11	—	—
4420 iron & steel scrap	15	4	—	11	—	—
Subtotal sulphur, clay and salt	3	—	—	3	—	—
4782 clay & refrac. mat.	3	—	—	3	—	—
Subtotal other non-metal. min.	1	—	—	1	—	—
4900 non-metal. min. nec	1	—	—	1	—	—

PORT OF PORTLAND, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			Intraport
		Receipts	Shipments	Receipts	Shipments		
<b>Total primary manufactured goods</b>	<b>95</b>	<b>0</b>	<b>22</b>	<b>70</b>	<b>2</b>	<b>0</b>	
<b>Subtotal paper products</b>	<b>74</b>	<b>—</b>	<b>4</b>	<b>70</b>	<b>—</b>	<b>—</b>	
5190 paper products nec	74	—	4	70	—	—	
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	
5240 glass & glass prod.	0	—	0	—	—	—	
5290 misc. mineral prod.	0	0	—	—	0	—	
<b>Subtotal primary iron and steel products</b>	<b>14</b>	<b>—</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>—</b>	
5330 i&s plates & sheets	0	—	0	—	—	—	
5360 i&s bars & shapes	10	—	9	1	—	—	
5370 i&s pipe & tube	4	—	3	—	0	—	
<b>Subtotal primary non-ferrous metal products</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>1</b>	<b>0</b>	
5480 fab. metal products	2	—	—	0	1	0	
<b>Subtotal primary wood products</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	
5540 primary wood prod.	5	—	5	—	—	—	
<b>Total food and farm products</b>	<b>3,155</b>	<b>—</b>	<b>—</b>	<b>3,137</b>	<b>3</b>	<b>15</b>	
<b>Subtotal grain</b>	<b>2,988</b>	<b>—</b>	<b>—</b>	<b>2,970</b>	<b>3</b>	<b>15</b>	
6241 wheat	2,756	—	—	2,738	3	14	
6344 corn	11	—	—	11	0	—	
6443 barley & rye	222	—	—	221	—	1	
<b>Subtotal vegetable products</b>	<b>51</b>	<b>—</b>	<b>—</b>	<b>51</b>	<b>0</b>	<b>—</b>	
6654 vegetables & prod.	51	—	—	51	0	—	
<b>Subtotal processed grain and animal feed</b>	<b>80</b>	<b>—</b>	<b>—</b>	<b>80</b>	<b>—</b>	<b>—</b>	
6747 grain mill products	0	—	—	0	—	—	
6781 hay & fodder	72	—	—	72	—	—	
6782 animal feed, prep.	8	—	—	8	—	—	
<b>Subtotal other agricultural products</b>	<b>35</b>	<b>—</b>	<b>—</b>	<b>35</b>	<b>—</b>	<b>—</b>	
6822 dairy products	28	—	—	28	—	—	
6839 animals & prod. nec	3	—	—	3	—	—	
6889 food products nec	0	—	—	0	—	—	
6899 farm products nec	4	—	—	4	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>290</b>	<b>0</b>	<b>0</b>	<b>225</b>	<b>65</b>	<b>0</b>	
7110 machinery (not elec)	0	0	0	—	—	—	
7210 vehicles & parts	0	—	0	—	—	—	
7230 ships & boats	0	—	0	—	—	—	
7400 manufac. wood prod.	0	0	—	—	—	—	
7800 empty containers	243	—	—	197	46	0	
7900 manufac. prod. nec	47	—	0	28	19	—	

\*Includes 61 (x1000) tons of foreign inbound in-transits; Includes 569 (x1000) tons of foreign outbound in-transits.

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

Section Included: Willamette River from Portland to Harrisburg, OR, a distance of 159 miles, and Yamhill River from mouth to mile 4.0. Controlling Depth: 8 feet from Portland to Oregon City; 3 feet to Corvallis; 4 feet on Yamhill River from mouth to mile 4.0. Project Depth: Willamette River, 8 feet from Portland to Oregon City; 6 feet from Oregon City to mouth of Santiam River; 5 feet from mouth of Santiam River to Albany; 2.5 feet to 3.5 feet from Albany to Corvallis; no depths prescribed from Corvallis to Harrisburg; Yamhill River, 4 feet from mouth to mile 4.0.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	2,224	1993	1,375	1996	1,360	1999	748
1991	1,575	1994	1,481	1997	1,353		
1992	1,448	1995	1,486	1998	1,055		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal		
		Outbound	Intra	
			Downbnd	Upbnd
<b>Total, all commodities</b>	<b>748</b>	<b>535</b>	<b>78</b>	<b>135</b>
<b>Total crude materials, inedible except fuels</b>	<b>748</b>	<b>535</b>	<b>78</b>	<b>135</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>748</b>	<b>535</b>	<b>78</b>	<b>135</b>
4331 sand & gravel	748	535	78	135
<b>Ton-miles (x1000)</b>	<b>2,620</b>	<b>0</b>	<b>494</b>	<b>2,126</b>
<b>Tons All Traffic (x1000)</b>	<b>748</b>			
<b>Ton-miles All Traffic (x1000)</b>	<b>2,620</b>			

COOS BAY, OR

Section Included: From sea to Millington, a distance of 17 miles. (Same section and statistics apply to Port of Coos Bay). Controlling Depth: 39 feet in entrance channel: 30 feet in inner channel to mile 15; 20 feet in Isthmus Slough to Millington. Project Depth: 45/35 feet on bar and 35 feet from entrance to mile 15; turning basins of same depth opposite Coalbank Slough and at the city of North Bend: Anchorage basins 27 feet at mile 3.5 and near mile 7; a channel 22 feet deep from Smith's Mill (mile 15) to Millington; mooring basin for small boats at Charleston, with a connecting channel 16 feet deep to deep water in Coos Bay.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	6,069	1993	5,413	1996	3,322	1999	2,631
1991	5,523	1994	3,744	1997	3,164		
1992	4,458	1995	3,628	1998	2,773		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports*	Imports	Exports
<b>Total, all commodities</b>	<b>2,156</b>	<b>8</b>	<b>2,074</b>	<b>57</b>	<b>17</b>
<b>Total petroleum and petroleum products</b>	<b>0</b>	—	<b>0</b>	—	—
<b>Subtotal petroleum products</b>	<b>0</b>	—	<b>0</b>	—	—
2350 lube oil & greases	0	—	0	—	—
<b>Total chemicals and related products</b>	<b>0</b>	—	<b>0</b>	—	—
<b>Subtotal other chemicals and related products</b>	<b>0</b>	—	<b>0</b>	—	—
3286 plastics	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>2,145</b>	<b>8</b>	<b>2,065</b>	<b>57</b>	<b>15</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,143</b>	<b>7</b>	<b>2,064</b>	<b>57</b>	<b>15</b>
4150 fuel wood	0	—	0	—	—
4161 wood chips	1,974	—	1,959	—	15
4170 wood in the rough	125	—	68	57	—
4189 lumber	44	7	37	—	—
<b>Subtotal pulp and waste paper</b>	<b>2</b>	<b>1</b>	<b>1</b>	—	—
4225 pulp & waste paper	2	1	1	—	—
<b>Total primary manufactured goods</b>	<b>2</b>	—	<b>2</b>	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	—	—
5480 fab. metal products	0	—	0	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	—	<b>2</b>	—	—
5540 primary wood prod.	2	—	2	—	—
<b>Total food and farm products</b>	<b>0</b>	—	—	<b>0</b>	—
<b>Subtotal fish</b>	<b>0</b>	—	—	<b>0</b>	—
6134 fish (not shellfish)	0	—	—	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>5</b>	—	<b>3</b>	—	<b>2</b>
7110 machinery (not elec)	0	—	0	—	—
7120 electrical machinery	0	—	—	—	0
7230 ships & boats	2	—	—	—	2
7400 manufac. wood prod.	3	—	3	—	—
<b>Total unknown or not elsewhere classified</b>	<b>4</b>	—	<b>4</b>	—	<b>0</b>
9900 unknown or nec	4	—	4	—	0

Commodity	Total	Domestic			
		Coastwise Receipts	Shipments	Internal Receipts	Intraport
<b>Total, all commodities</b>	<b>475</b>	<b>266</b>	<b>172</b>	<b>13</b>	<b>24</b>
<b>Total petroleum and petroleum products</b>	<b>2</b>	<b>2</b>	—	—	—
<b>Subtotal petroleum products</b>	<b>2</b>	<b>2</b>	—	—	—
2340 residual fuel oil	2	2	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>455</b>	<b>265</b>	<b>166</b>	—	<b>24</b>
<b>Subtotal forest products, wood and chips</b>	<b>455</b>	<b>265</b>	<b>166</b>	—	<b>24</b>
4161 wood chips	85	14	72	—	—
4170 wood in the rough	275	251	—	—	24
4189 lumber	94	—	94	—	—
<b>Total primary manufactured goods</b>	<b>6</b>	—	<b>6</b>	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	—
5240 glass & glass prod.	0	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	—	—
5480 fab. metal products	0	—	0	—	—
<b>Subtotal primary wood products</b>	<b>6</b>	—	<b>6</b>	—	—
5540 primary wood prod.	6	—	6	—	—

COOS BAY, OR  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Intraport
<b>Total food and farm products</b>	13	—	—	13	—
<b>Subtotal fish</b>	13	—	—	13	—
6134 fish (not shellfish)	9	—	—	9	—
6136 shellfish	4	—	—	4	—

\*Includes 1 (x1000) tons of foreign outbound in-transits.

COLUMBIA RIVER SYSTEM

Section Included: Main channels and all navigable tributaries of the Columbia, Willamette and Snake Rivers.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	53,229	1993	53,558	1996	54,023	1999	51,766
1991	52,376	1994	52,607	1997	54,257		
1992	53,427	1995	60,092	1998	50,435		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
<b>Total, all commodities</b>	<b>33,055</b>	<b>6,309</b>	<b>25,866</b>	<b>791</b>	<b>89</b>
<b>Total coal</b>	<b>12</b>	<b>—</b>	<b>12</b>	<b>—</b>	<b>—</b>
1100 coal lignite	12	—	12	—	—
<b>Total petroleum and petroleum products</b>	<b>1,951</b>	<b>1,076</b>	<b>544</b>	<b>265</b>	<b>66</b>
<b>Subtotal crude petroleum</b>	<b>256</b>	<b>256</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	256	256	—	—	—
<b>Subtotal petroleum products</b>	<b>1,695</b>	<b>821</b>	<b>544</b>	<b>265</b>	<b>66</b>
2211 gasoline	642	546	—	96	—
2221 kerosene	38	21	0	16	—
2330 distillate fuel oil	189	51	8	130	—
2340 residual fuel oil	37	15	—	23	—
2350 lube oil & greases	1	0	1	—	—
2410 petro. jelly & waxes	0	—	0	—	—
2429 naphtha & solvents	16	16	—	—	—
2430 asphalt, tar & pitch	172	171	1	—	—
2540 petroleum coke	600	—	533	—	66
<b>Total chemicals and related products</b>	<b>4,912</b>	<b>362</b>	<b>4,490</b>	<b>38</b>	<b>22</b>
<b>Subtotal fertilizers</b>	<b>2,224</b>	<b>169</b>	<b>2,043</b>	<b>12</b>	<b>0</b>
3110 nitrogenous fert.	190	148	30	12	—
3130 potassic fert.	2,013	—	2,013	—	0
3190 fert. & mixes nec	21	21	0	—	—
<b>Subtotal other chemicals and related products</b>	<b>2,689</b>	<b>193</b>	<b>2,448</b>	<b>26</b>	<b>22</b>
3211 acyclic hydrocarbons	0	0	—	—	—
3212 benzene & toluene	22	22	—	—	—
3219 other hydrocarbons	0	0	0	—	—
3220 alcohols	125	118	2	5	—
3230 carboxylic acids	5	1	5	—	—
3240 nitrogen func. comp.	1	0	1	—	0
3250 organo - inorg. comp.	1	1	0	—	0
3260 organic comp. nec	2	0	2	—	—
3272 sulphuric acid	1	1	0	—	—
3273 ammonia	12	0	—	12	—
3274 sodium hydroxide	37	3	9	3	22
3275 inorg. elem., oxides, & halogen salts	27	25	3	—	—
3276 metallic salts	2,390	7	2,383	—	—
3279 inorganic chem. nec	1	1	0	—	—
3281 radioactive material	0	0	—	—	—
3282 pigments & paints	2	1	1	—	—
3283 coloring mat. nec	0	0	0	—	—
3284 medicines	0	0	0	—	—
3285 perfumes & cleansers	6	2	4	—	0
3286 plastics	20	7	13	—	0
3291 pesticides	0	0	0	—	—
3292 starches, gluten, glue	2	0	1	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	1	0	1	—	—
3298 wood & resin chem.	26	—	19	6	—
3299 chem. products nec	6	3	3	—	0
<b>Total crude materials, inedible except fuels</b>	<b>5,085</b>	<b>1,869</b>	<b>2,729</b>	<b>488</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,152</b>	<b>142</b>	<b>1,989</b>	<b>20</b>	<b>—</b>
4110 rubber & gums	1	1	—	—	—
4150 fuel wood	3	—	3	—	—
4161 wood chips	20	—	0	20	—

COLUMBIA RIVER SYSTEM  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
4170 wood in the rough	1,699	0	1,699	—	—
4189 lumber	429	141	288	—	—
4190 forest products nec	0	0	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>358</b>	<b>26</b>	<b>332</b>	—	—
4225 pulp & waste paper	358	26	332	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>469</b>	<b>0</b>	<b>1</b>	<b>467</b>	—
4310 building stone	0	0	—	—	—
4322 limestone	468	—	0	467	—
4323 gypsum	0	0	0	—	—
4331 sand & gravel	1	0	1	—	—
<b>Subtotal iron ore and scrap</b>	<b>57</b>	—	<b>57</b>	—	—
4420 iron & steel scrap	57	—	57	—	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	—	—	—
4515 marine shells	0	0	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>1,412</b>	<b>1,319</b>	<b>92</b>	—	<b>0</b>
4630 copper ore	23	—	23	—	—
4650 aluminum ore	1,315	1,314	1	—	—
4680 non-ferrous scrap	26	0	26	—	0
4690 non-ferrous ores nec	48	5	43	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>223</b>	<b>3</b>	<b>221</b>	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	223	3	221	—	—
<b>Subtotal slag</b>	<b>0</b>	—	<b>0</b>	—	—
4860 slag	0	—	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>414</b>	<b>378</b>	<b>36</b>	—	—
4900 non-metal. min. nec	414	378	36	—	—
<b>Total primary manufactured goods</b>	<b>2,995</b>	<b>2,219</b>	<b>776</b>	<b>0</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>722</b>	<b>20</b>	<b>703</b>	—	—
5110 newsprint	382	10	372	—	—
5120 paper & paperboard	334	9	325	—	—
5190 paper products nec	6	1	5	—	—
<b>Subtotal lime, cement and glass</b>	<b>560</b>	<b>541</b>	<b>19</b>	—	<b>0</b>
5220 cement & concrete	518	514	4	—	—
5240 glass & glass prod.	4	3	1	—	—
5290 misc. mineral prod.	38	24	14	—	0
<b>Subtotal primary iron and steel products</b>	<b>1,580</b>	<b>1,577</b>	<b>3</b>	—	—
5312 pig iron	51	50	1	—	—
5315 ferro alloys	49	49	0	—	—
5320 i&s primary forms	536	536	0	—	—
5330 i&s plates & sheets	633	631	2	—	—
5360 i&s bars & shapes	75	75	0	—	—
5370 i&s pipe & tube	66	66	0	—	—
5390 primary i&s nec	169	169	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>43</b>	<b>35</b>	<b>8</b>	—	<b>0</b>
5421 copper	2	2	0	—	—
5422 aluminum	3	0	2	—	0
5429 smelted prod. nec	3	1	2	—	—
5480 fab. metal products	35	32	3	—	0
<b>Subtotal primary wood products</b>	<b>90</b>	<b>46</b>	<b>43</b>	<b>0</b>	<b>0</b>
5540 primary wood prod.	90	46	43	0	0
<b>Total food and farm products</b>	<b>17,298</b>	<b>83</b>	<b>17,215</b>	<b>1</b>	<b>0</b>
<b>Subtotal fish</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>1</b>	—
6134 fish (not shellfish)	3	0	2	1	—
6136 shellfish	3	3	—	—	—
<b>Subtotal grain</b>	<b>15,022</b>	<b>2</b>	<b>15,020</b>	—	—
6241 wheat	10,875	—	10,875	—	—
6344 corn	3,589	0	3,589	—	—
6442 rice	3	2	1	—	—
6443 barley & rye	466	—	466	—	—
6445 oats	0	—	0	—	—
6447 sorghum grains	88	—	88	—	—
<b>Subtotal oilseeds</b>	<b>506</b>	<b>25</b>	<b>480</b>	—	—
6522 soybeans	420	—	420	—	—
6590 oilseeds nec	86	25	61	—	—
<b>Subtotal vegetable products</b>	<b>289</b>	<b>8</b>	<b>281</b>	—	—
6653 vegetable oils	3	2	1	—	—
6654 vegetables & prod.	286	6	279	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1,306</b>	<b>3</b>	<b>1,302</b>	—	<b>0</b>
6746 wheat flour	22	—	22	—	—
6747 grain mill products	59	1	58	—	0
6781 hay & fodder	651	—	651	—	—
6782 animal feed, prep.	573	2	571	—	—
<b>Subtotal other agricultural products</b>	<b>171</b>	<b>41</b>	<b>130</b>	—	—
6811 meat, fresh, frozen	11	0	11	—	—
6817 meat, prepared	11	0	11	—	—
6822 dairy products	29	0	29	—	—
6835 fish, prepared	3	2	1	—	—
6838 tallow, animal oils	1	0	1	—	—
6839 animals & prod. nec	18	0	18	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	6	0	6	—	—
6858 fruit juices	29	12	16	—	—
6861 sugar	0	0	—	—	—
6871 coffee	1	1	0	—	—

COLUMBIA RIVER SYSTEM  
Freight Traffic, 1999 - continued  
(thousand short tons)

	Commodity	Total	Foreign		Canadian	
			Imports*	Exports*	Imports	Exports
6872	cocoa beans	0	0	0	—	—
6885	alcoholic beverages	18	16	2	—	—
6888	water & ice	2	2	—	—	—
6889	food products nec	16	2	14	—	—
6891	tobacco & products	0	—	0	—	—
6893	cotton	1	—	1	—	—
6894	natural fibers nec	0	0	—	—	—
6899	farm products nec	24	4	20	—	—
<b>Total all manufactured equipment, machinery and products</b>		<b>784</b>	<b>699</b>	<b>85</b>	<b>0</b>	<b>0</b>
7110	machinery (not elec)	41	22	18	0	0
7120	electrical machinery	38	31	7	—	0
7210	vehicles & parts	578	551	27	—	0
7220	aircraft & parts	0	0	0	—	—
7230	ships & boats	0	0	0	—	—
7300	ordnance & access.	0	—	0	—	—
7400	manufac. wood prod.	13	3	9	—	—
7500	textile products	15	11	3	—	0
7600	rubber & plastic pr.	14	12	2	—	—
7900	manufac. prod. nec	85	68	18	—	0
<b>Total unknown or not elsewhere classified</b>		<b>18</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>—</b>
9900	unknown or nec	18	1	16	0	—
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>		<b>1,453,785</b>	<b>224,310</b>	<b>1,215,578</b>	<b>9,725</b>	<b>4,172</b>

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Outbound	Upbound	Intra	Downbnd
<b>Total, all commodities</b>	<b>18,711</b>	<b>5,132</b>	<b>526</b>	<b>65</b>	<b>8,782</b>	<b>4,206</b>	<b>—</b>
<b>Total petroleum and petroleum products</b>	<b>7,351</b>	<b>4,263</b>	<b>92</b>	<b>—</b>	<b>2,883</b>	<b>114</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>27</b>	<b>27</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	27	27	—	—	—	—	—
<b>Subtotal petroleum products</b>	<b>7,325</b>	<b>4,236</b>	<b>92</b>	<b>—</b>	<b>2,883</b>	<b>114</b>	<b>—</b>
2211 gasoline	4,163	2,702	1	—	1,459	—	—
2221 kerosene	18	18	—	—	—	—	—
2330 distillate fuel oil	2,040	987	23	—	1,025	4	—
2340 residual fuel oil	828	278	44	—	397	109	—
2350 lube oil & greases	112	111	—	—	1	0	—
2429 naphtha & solvents	9	—	9	—	—	—	—
2430 asphalt, tar & pitch	155	140	14	—	—	—	—
<b>Total chemicals and related products</b>	<b>544</b>	<b>259</b>	<b>112</b>	<b>—</b>	<b>125</b>	<b>48</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>245</b>	<b>104</b>	<b>46</b>	<b>—</b>	<b>62</b>	<b>33</b>	<b>—</b>
3110 nitrogenous fert.	157	104	46	—	3	3	—
3190 fert. & mixes nec	88	—	—	—	59	29	—
<b>Subtotal other chemicals and related products</b>	<b>299</b>	<b>155</b>	<b>66</b>	<b>—</b>	<b>63</b>	<b>15</b>	<b>—</b>
3212 benzene & toluene	74	74	—	—	—	—	—
3220 alcohols	15	2	13	—	—	—	—
3272 sulphuric acid	0	—	0	—	—	—	—
3273 ammonia	92	40	23	—	29	—	—
3274 sodium hydroxide	117	39	29	—	33	15	—
3286 plastics	1	—	1	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>4,980</b>	<b>610</b>	<b>276</b>	<b>—</b>	<b>1,977</b>	<b>2,118</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,986</b>	<b>606</b>	<b>276</b>	<b>—</b>	<b>43</b>	<b>1,061</b>	<b>—</b>
4150 fuel wood	1	—	—	—	—	1	—
4161 wood chips	1,303	464	46	—	2	791	—
4170 wood in the rough	472	142	21	—	41	269	—
4189 lumber	210	0	209	—	1	—	—
<b>Subtotal pulp and waste paper</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>10</b>	<b>—</b>
4225 pulp & waste paper	14	—	—	—	4	10	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>2,961</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,914</b>	<b>1,047</b>	<b>—</b>
4331 sand & gravel	2,961	—	—	—	1,914	1,047	—
<b>Subtotal iron ore and scrap</b>	<b>15</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>11</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	15	4	—	—	11	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	3	—	—	—	3	—	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	1	—	—	—	1	—	—
<b>Total primary manufactured goods</b>	<b>127</b>	<b>0</b>	<b>42</b>	<b>—</b>	<b>73</b>	<b>12</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>92</b>	<b>—</b>	<b>22</b>	<b>—</b>	<b>70</b>	<b>—</b>	<b>—</b>
5190 paper products nec	92	—	22	—	70	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5240 glass & glass prod.	0	—	0	—	—	—	—
5290 misc. mineral prod.	0	0	—	—	0	—	—

COLUMBIA RIVER SYSTEM  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Outbound	Upbound	Intra	Downbnd
<b>Subtotal primary iron and steel products</b>	<b>14</b>	—	13	—	—	1	—
5330 i&s plates & sheets	0	—	0	—	—	—	—
5360 i&s bars & shapes	10	—	9	—	—	1	—
5370 i&s pipe & tube	4	—	3	—	—	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>13</b>	—	—	—	—	2	<b>12</b>
5422 aluminum	12	—	—	—	—	—	12
5480 fab. metal products	2	—	—	—	—	2	—
<b>Subtotal primary wood products</b>	<b>7</b>	—	7	—	—	—	—
5540 primary wood prod.	7	—	7	—	—	—	—
<b>Total food and farm products</b>	<b>5,159</b>	—	—	65	3,221	1,873	—
<b>Subtotal fish</b>	<b>131</b>	—	—	65	66	—	—
6134 fish (not shellfish)	113	—	—	53	60	—	—
6136 shellfish	18	—	—	12	6	—	—
<b>Subtotal grain</b>	<b>4,861</b>	—	—	—	2,988	1,873	—
6241 wheat	4,564	—	—	—	2,756	1,808	—
6344 corn	11	—	—	—	—	11	—
6443 barley & rye	287	—	—	—	—	222	65
<b>Subtotal vegetable products</b>	<b>51</b>	—	—	—	—	51	—
6654 vegetables & prod.	51	—	—	—	—	51	—
<b>Subtotal processed grain and animal feed</b>	<b>80</b>	—	—	—	—	80	—
6747 grain mill products	0	—	—	—	—	0	—
6781 hay & fodder	72	—	—	—	—	72	—
6782 animal feed, prep.	8	—	—	—	—	8	—
<b>Subtotal other agricultural products</b>	<b>35</b>	—	—	—	—	35	—
6822 dairy products	28	—	—	—	—	28	—
6839 animals & prod. nec	3	—	—	—	—	3	—
6889 food products nec	0	—	—	—	—	0	—
6899 farm products nec	4	—	—	—	—	4	—
<b>Total all manufactured equipment, machinery and products</b>	<b>368</b>	1	4	—	—	328	<b>35</b>
7110 machinery (not elec)	1	1	0	—	—	—	—
7210 vehicles & parts	0	—	0	—	—	—	—
7230 ships & boats	0	—	0	—	—	—	—
7400 manufac. wood prod.	0	0	—	—	—	—	—
7800 empty containers	320	—	3	—	282	35	—
7900 manufac. prod. nec	47	—	0	—	47	0	—
<b>Total waste and scrap nec</b>	<b>181</b>	—	—	—	—	175	<b>6</b>
8900 waste and scrap nec	181	—	—	—	—	175	6
Ton-miles (x1000)	723,781	76,112	22,921	65	359,336	265,347	
Domestic							
Tons All Traffic (x1000)	51,766						
Ton-miles All Traffic (x1000)	2,177,566						

\*Includes 214 (x1000) tons of foreign inbound in-transits; Includes 834 (x1000) tons of foreign outbound in-transits.

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALSEA BAY AND RIVER, OR	No Commerce Reported	
CHETCO RIVER, OR	6134 fish (not shellfish) 6136 shellfish	1 2
	<b>Total Tons(x1000)</b>	<b>3</b>
	<b>Total Ton-miles(x1000)</b>	<b>3</b>
CHINOOK CHANNEL, WA	6134 fish (not shellfish) 6136 shellfish	0 0
	<b>Total Tons(x1000)</b>	<b>1</b>
	<b>Total Ton-miles(x1000)</b>	<b>1</b>
CLATSCHANIE RIVER, OR	No Commerce Reported	
COLUMBIA RIVER AT BAKERS BAY, WA	6134 fish (not shellfish) 6136 shellfish	5 1
	<b>Total Tons(x1000)</b>	<b>6</b>
	<b>Total Ton-miles(x1000)</b>	<b>6</b>
COLUMBIA SLOUGH, OR	No Commerce Reported	
COOS AND MILLICOMA RIVERS, OR	No Commerce Reported	
COQUILLE RIVER, OR	6134 fish (not shellfish) 6136 shellfish	0 0
	<b>Total Tons(x1000)</b>	<b>0</b>
	<b>Total Ton-miles(x1000)</b>	<b>0</b>
COWLITZ RIVER, WA	4170 wood in the rough	1
	<b>Total Tons(x1000)</b>	<b>1</b>
	<b>Total Ton-miles(x1000)</b>	<b>3</b>
DEEP RIVER, WA	No Commerce Reported	
DEPOE BAY, OR	6134 fish (not shellfish) 6136 shellfish	0 0
	<b>Total Tons(x1000)</b>	<b>0</b>
	<b>Total Ton-miles(x1000)</b>	<b>0</b>
ELOKOMIN SLOUGH, WA	No Commerce Reported	
GRAYS RIVER, WA	No Commerce Reported	
LAKE RIVER, WA	6134 fish (not shellfish) 6136 shellfish	0 0
	<b>Total Tons(x1000)</b>	<b>0</b>
	<b>Total Ton-miles(x1000)</b>	<b>0</b>
LEWIS RIVER, WA	No Commerce Reported	
PORT OF ST. HELENS, OR	No Commerce Reported	
PORT ORFORD, OR	6134 fish (not shellfish) 6136 shellfish	0 0
	<b>Total Tons(x1000)</b>	<b>1</b>
ROGUE RIVER, OR	6134 fish (not shellfish) 6136 shellfish 7900 manufac. prod. nec 9900 unknown or nec	0 0 0 0
	<b>Total Tons(x1000)</b>	<b>0</b>
	<b>Total Ton-miles(x1000)</b>	<b>1</b>

## Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SIUSLAW RIVER, OR	6134 fish (not shellfish) 6136 shellfish	0 0
	<b>Total Tons(x1000)</b> <b>Total Ton-miles(x1000)</b>	<b>0</b> <b>1</b>
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	6134 fish (not shellfish)	0
	<b>Total Tons(x1000)</b> <b>Total Ton-miles(x1000)</b>	<b>0</b> <b>0</b>
SKAMOKAWA CREEK, WA	No Commerce Reported	
SKIPANON CHANNEL, OR	4161 wood chips 4170 wood in the rough 4331 sand & gravel	11 39 8
	<b>Total Tons(x1000)</b> <b>Total Ton-miles(x1000)</b>	<b>58</b> <b>46</b>
SMITH RIVER, OR	No Commerce Reported	
TILLAMOOK BAY AND BAR, OR	6134 fish (not shellfish) 6136 shellfish	0 1
	<b>Total Tons(x1000)</b>	<b>1</b>
UMPQUA RIVER, OR	4331 sand & gravel 6134 fish (not shellfish) 6136 shellfish	245 0 0
	<b>Total Tons(x1000)</b> <b>Total Ton-miles(x1000)</b>	<b>246</b> <b>2,700</b>
WESTPORT SLOUGH, OR	2350 lube oil & greases 4331 sand & gravel	0 8
	<b>Total Tons(x1000)</b> <b>Total Ton-miles(x1000)</b>	<b>8</b> <b>8</b>
YAQUINA BAY AND HARBOR, OR	3260 organic comp. nec 4161 wood chips 6134 fish (not shellfish) 6136 shellfish	0 8 41 5
	<b>Total Tons(x1000)</b> <b>Total Ton-miles(x1000)</b>	<b>54</b> <b>100</b>
YAQUINA RIVER, OR	No Commerce Reported	
YOUNGS BAY AND YOUNGS RIVER, OR	No Commerce Reported	

GRAYS HARBOR AND CHEHALIS RIVER, WA

Section Included: Grays Harbor bar channel and Chehalis River to Cosmopolis and extending to Simpson Avenue bridge on the Hoquiam River and the Schafer Bros. wharf at Montesano on the Chehalis River. Controlling Depth: Bar channel, 37.1 feet; 25.5 feet from deep water in Lower Harbor to Upper Cross-Over; 27.0 feet from Upper Cross-Over to Cow Point; 25.6 feet from Cow Point to Cosmopolis; turning basin just downstream of Cow Point, 29.0 feet; turning basin near Elliott Slough, 25.5 feet. 5.5 feet from Cosmopolis to Montesano; Bay City channel, 9.1 feet; Westhaven Channel, 13.9 feet north entrance, 13.0 feet south entrance. Project Depth: 30 feet extending through the bar channel to Cosmopolis; Bay 16 feet to Montesano; Bay City channel, 14 feet; Westhaven channel, 16 feet. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	12,825	1993	4,383	1996	1,990	1999	1,406
1991	4,488	1994	1,654	1997	1,486		
1992	6,953	1995	1,566	1998	1,488		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Receipts	
		Imports	Exports*	Imports	Total	Coastwise			
						Receipts	Shipments		
<b>Total, all commodities</b>	<b>1,406</b>	<b>19</b>	<b>788</b>	<b>1</b>	<b>599</b>	<b>38</b>	<b>559</b>	<b>1</b>	
<b>Total chemicals and related products</b>	<b>11</b>	<b>9</b>	<b>0</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>—</b>	
Subtotal fertilizers	7	7	—	—	—	—	—	—	
3110 nitrogenous fert.	4	4	—	—	—	—	—	—	
3190 fert. & mixes nec	4	4	—	—	—	—	—	—	
Subtotal other chemicals and related products	4	1	0	—	2	—	2	—	
3230 carboxylic acids	0	0	—	—	—	—	—	—	
3240 nitrogen func. comp.	0	0	—	—	—	—	—	—	
3274 sodium hydroxide	2	—	—	—	2	—	2	—	
3276 metallic salts	0	0	—	—	—	—	—	—	
3285 perfumes & cleansers	0	—	0	—	—	—	—	—	
3286 plastics	1	1	—	—	—	—	—	—	
3292 starches, gluten, glue	0	0	—	—	—	—	—	—	
<b>Total crude materials, inedible except fuels</b>	<b>1,383</b>	<b>—</b>	<b>787</b>	<b>—</b>	<b>596</b>	<b>38</b>	<b>557</b>	<b>—</b>	
Subtotal forest products, wood and chips	1,298	—	703	—	596	38	557	—	
4161 wood chips	484	—	—	—	484	38	446	—	
4170 wood in the rough	678	—	665	—	13	—	13	—	
4189 lumber	137	—	38	—	98	—	98	—	
4190 forest products nec	0	—	0	—	—	—	—	—	
Subtotal pulp and waste paper	84	—	84	—	—	—	—	—	
4225 pulp & waste paper	84	—	84	—	—	—	—	—	
<b>Total primary manufactured goods</b>	<b>9</b>	<b>9</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
Subtotal paper products	0	0	0	—	—	—	—	—	
5120 paper & paperboard	0	0	0	—	—	—	—	—	
Subtotal lime, cement and glass	0	0	—	—	—	—	—	—	
5240 glass & glass prod.	0	0	—	—	—	—	—	—	
Subtotal primary iron and steel products	6	6	—	—	—	—	—	—	
5330 i&s plates & sheets	4	4	—	—	—	—	—	—	
5360 i&s bars & shapes	2	2	—	—	—	—	—	—	
5370 i&s pipe & tube	0	0	—	—	—	—	—	—	
5390 primary i&s nec	0	0	—	—	—	—	—	—	
Subtotal primary non-ferrous metal products	3	3	—	—	—	—	—	—	
5480 fab. metal products	3	3	—	—	—	—	—	—	
<b>Total food and farm products</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	
Subtotal fish	2	—	1	1	1	—	—	1	
6134 fish (not shellfish)	2	—	1	1	0	—	—	0	
6136 shellfish	1	—	—	—	1	—	—	1	
Subtotal other agricultural products	1	1	—	—	—	—	—	—	
6885 alcoholic beverages	0	0	—	—	—	—	—	—	
6888 water & ice	1	1	—	—	—	—	—	—	
6889 food products nec	0	0	—	—	—	—	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	
7110 machinery (not elec)	0	0	0	—	—	—	—	—	
7120 electrical machinery	0	—	0	—	—	—	—	—	
7230 ships & boats	0	0	—	0	—	—	—	—	
7500 textile products	0	0	—	—	—	—	—	—	
7600 rubber & plastic pr.	0	0	—	—	—	—	—	—	
7900 manufac. prod. nec	0	0	—	—	—	—	—	—	

GRAYS HARBOR AND CHEHALIS RIVER, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic			Internal Receipts
		Imports	Exports*		Total	Coastwise Receipts	Shipments	
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—	—	—
9900 unknown or nec	0	0	0	—	—	—	—	—

\*Includes 27 (x1000) tons of foreign outbound in-transits.

PORT ANGELES HARBOR, WA

Section Included: Entire harbor from Rayonier, Inc. Wharf westward. Controlling Depth: Unlimited except for 25 feet near Rayonier, Inc. Wharf. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	3,072	1993	1,987	1996	2,780	1999	2,237
1991	2,680	1994	1,695	1997	2,377		
1992	2,336	1995	1,911	1998	2,417		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
<b>Total, all commodities</b>	<b>779</b>	<b>102</b>	<b>376</b>	<b>287</b>	<b>15</b>
<b>Total petroleum and petroleum products</b>	<b>132</b>	<b>102</b>	<b>16</b>	—	<b>14</b>
<b>Subtotal crude petroleum</b>	<b>102</b>	<b>102</b>	—	—	—
2100    crude petroleum	102	102	—	—	—
<b>Subtotal petroleum products</b>	<b>31</b>	—	<b>16</b>	—	<b>14</b>
2340    residual fuel oil	14	—	—	—	14
2540    petroleum coke	16	—	16	—	—
<b>Total chemicals and related products</b>	<b>0</b>	—	<b>0</b>	—	—
<b>Subtotal other chemicals and related products</b>	<b>0</b>	—	<b>0</b>	—	—
3298    wood & resin chem.	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>618</b>	—	<b>344</b>	<b>274</b>	—
<b>Subtotal forest products, wood and chips</b>	<b>486</b>	—	<b>344</b>	<b>141</b>	—
4150    fuel wood	0	—	—	0	—
4161    wood chips	348	—	259	89	—
4170    wood in the rough	136	—	85	51	—
4189    lumber	1	—	0	1	—
<b>Subtotal pulp and waste paper</b>	<b>3</b>	—	—	<b>3</b>	—
4225    pulp & waste paper	3	—	—	3	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>130</b>	—	—	<b>130</b>	—
4331    sand & gravel	130	—	—	130	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	—	—	<b>0</b>	—
4680    non-ferrous scrap	0	—	—	0	—
<b>Total primary manufactured goods</b>	<b>12</b>	—	<b>0</b>	<b>12</b>	—
<b>Subtotal paper products</b>	<b>10</b>	—	—	<b>10</b>	—
5110    newsprint	1	—	—	1	—
5120    paper & paperboard	9	—	—	9	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	—	<b>0</b>	—
5290    misc. mineral prod.	0	—	—	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	—	<b>0</b>	—
5429    smelted prod. nec	0	—	0	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	—	—	<b>2</b>	—
5540    primary wood prod.	2	—	—	2	—
<b>Total food and farm products</b>	<b>16</b>	—	<b>16</b>	<b>0</b>	—
<b>Subtotal fish</b>	<b>15</b>	—	<b>15</b>	—	—
6134    fish (not shellfish)	15	—	15	—	—
<b>Subtotal other agricultural products</b>	<b>1</b>	—	<b>1</b>	<b>0</b>	—
6838    tallow, animal oils	1	—	1	—	—
6899    farm products nec	0	—	—	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	—	—	<b>0</b>	<b>0</b>
7110    machinery (not elec)	0	—	—	0	—
7120    electrical machinery	0	—	—	—	0
7210    vehicles & parts	0	—	—	—	0
7230    ships & boats	0	—	—	—	0
7400    manufac. wood prod.	0	—	—	—	0
7500    textile products	0	—	—	—	0
7600    rubber & plastic pr.	0	—	—	—	0
7900    manufac. prod. nec	0	—	—	0	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	—	<b>0</b>	—
9900    unknown or nec	0	—	—	0	—

PORT ANGELES HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal		Receipts	Shipments
		Receipts	Shipments	Receipts	Intraport		
<b>Total, all commodities</b>	<b>1,458</b>	<b>14</b>	<b>281</b>	<b>428</b>	<b>508</b>	<b>228</b>	
<b>Total petroleum and petroleum products</b>	<b>635</b>	<b>11</b>	<b>8</b>	<b>325</b>	<b>64</b>	<b>228</b>	
<b>Subtotal petroleum products</b>	<b>635</b>	<b>11</b>	<b>8</b>	<b>325</b>	<b>64</b>	<b>228</b>	
2211 gasoline	8	—	8	—	—	—	—
2330 distillate fuel oil	45	—	—	30	11	3	—
2340 residual fuel oil	571	—	—	294	52	224	—
2350 lube oil & greases	0	—	—	0	—	0	—
2430 asphalt, tar & pitch	11	11	—	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>822</b>	<b>3</b>	<b>272</b>	<b>102</b>	<b>444</b>	<b>—</b>	
<b>Subtotal forest products, wood and chips</b>	<b>810</b>	<b>3</b>	<b>272</b>	<b>102</b>	<b>433</b>	<b>—</b>	
4161 wood chips	88	1	23	—	64	—	—
4170 wood in the rough	722	2	250	102	369	—	—
<b>Subtotal iron ore and scrap</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>12</b>	<b>—</b>	
4420 iron & steel scrap	12	—	—	—	12	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
4900 non-metal. min. nec	0	—	—	0	—	—	—
<b>Total primary manufactured goods</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
<b>Subtotal paper products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
5190 paper products nec	0	—	—	0	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
5480 fab. metal products	0	—	—	0	—	—	—
<b>Total food and farm products</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	
<b>Subtotal fish</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	
6134 fish (not shellfish)	1	—	—	1	—	—	—
6136 shellfish	0	—	—	0	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
7900 manufac. prod. nec	0	—	—	0	—	—	—

PORT TOWNSEND HARBOR, WA

Section Included: Point Wilson on the north to Irondale on the south. Controlling Depth: Channel from deep water to boat basin, 10.7 feet; outer portion of entrance channel in boat basin, 12.9 feet; inner portion of entrance channel in boat basin, 12.2 feet. Project Depth: 10 and 12 feet mllw in the inner and outer sections of the mooring basin, respectively.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	427	1993	201	1996	464	<b>1999</b>	<b>335</b>
1991	546	1994	402	1997	412		
1992	325	1995	362	1998	456		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Exports	Imports	Exports	Total	Coastwise Receipts	Internal		
						Receipts	Shipments		
<b>Total, all commodities</b>	<b>335</b>	<b>5</b>	<b>51</b>	<b>8</b>	<b>271</b>	<b>3</b>	<b>217</b>	<b>52</b>	
<b>Total petroleum and petroleum products</b>	<b>37</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>37</b>	<b>3</b>	<b>29</b>	<b>6</b>	
<b>Subtotal petroleum products</b>	<b>37</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>37</b>	<b>3</b>	<b>29</b>	<b>6</b>	
2330 distillate fuel oil	2	—	—	—	2	—	2	—	—
2340 residual fuel oil	35	—	—	—	35	3	27	6	—
<b>Total crude materials, inedible except fuels</b>	<b>296</b>	<b>5</b>	<b>51</b>	<b>8</b>	<b>233</b>	<b>—</b>	<b>186</b>	<b>46</b>	
<b>Subtotal forest products, wood and chips</b>	<b>296</b>	<b>5</b>	<b>51</b>	<b>8</b>	<b>233</b>	<b>—</b>	<b>186</b>	<b>46</b>	
4150 fuel wood	5	—	2	3	—	—	—	—	—
4161 wood chips	200	—	49	5	146	—	146	—	—
4170 wood in the rough	92	5	—	—	87	—	41	46	—
<b>Total primary manufactured goods</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	
5480 fab. metal products	0	—	—	—	0	—	0	0	—

PORT TOWNSEND HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Exports	Imports	Exports		Total	Coastwise Receipts	Internal Receipts
<b>Total food and farm products</b>	<b>1</b>	—	—	—	—	<b>1</b>	—	<b>1</b> —
Subtotal fish	1	—	—	—	—	1	—	1 —
6134 fish (not shellfish)	0	—	—	—	—	0	—	0 —
6136 shellfish	1	—	—	—	—	1	—	1 —
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	—
7120 electrical machinery	0	0	—	—	—	—	—	—
7300 ordnance & access.	0	0	—	—	—	—	—	—

HAMMERSLEY INLET, WA

Section Included: Inlet connecting Puget Sound with Shelton Harbor, a distance of about 7 miles. Controlling Depth: 8.8 feet. Project Depth: 13 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	325	1993	384	1996	1,037	<b>1999</b>	<b>543</b>
1991	343	1994	500	1997	633		
1992	312	1995	872	1998	635		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound Upbound	Outbound Downbnd	Intra Upbound
<b>Total, all commodities</b>	<b>543</b>	<b>210</b>	<b>327</b>	<b>6</b>
<b>Total crude materials, inedible except fuels</b>	<b>540</b>	<b>208</b>	<b>327</b>	<b>6</b>
Subtotal forest products, wood and chips	540	208	327	6
4161 wood chips	169	—	163	—
4170 wood in the rough	371	208	163	—
<b>Total food and farm products</b>	<b>3</b>	<b>3</b>	—	—
Subtotal fish	3	3	—	—
6134 fish (not shellfish)	0	0	—	—
6136 shellfish	2	2	—	—
<b>Ton-miles (x1000)</b>	<b>5,373</b>	<b>2,101</b>	<b>3,267</b>	<b>6</b>
<b>Tons All Traffic (x1000)</b>	<b>543</b>			
<b>Ton-miles All Traffic (x1000)</b>	<b>5,378</b>			

\*Includes 0 (x1000) tons of foreign inbound in-transits;

OLYMPIA HARBOR, WA

Section Included: That portion of Budd Inlet south and west of Priest Point and generally within the city limits of Olympia. Controlling Depth: 29.4 feet in outer channel, 29.4 feet in entrance channel and 27.7 feet in turning basin. Project Depth: 30 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,265	1993	924	1996	1,893	<b>1999</b>	<b>1,313</b>
1991	945	1994	1,514	1997	1,997		
1992	714	1995	2,166	1998	1,423		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
<b>Total, all commodities</b>	<b>130</b>	<b>14</b>	<b>77</b>	<b>11</b>	<b>28</b>
<b>Total petroleum and petroleum products</b>	<b>28</b>	—	—	—	<b>28</b>
Subtotal petroleum products	28	—	—	—	28
2540 petroleum coke	28	—	—	—	28
<b>Total chemicals and related products</b>	<b>0</b>	—	<b>0</b>	—	—
Subtotal other chemicals and related products	0	—	0	—	—
3250 organo - inorg. comp.	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	—
3284 medicines	0	—	0	—	—

OLYMPIA HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	0	—	0	—	—
3297 chemical additives	0	—	0	—	—
3299 chem. products nec	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>86</b>	—	<b>75</b>	<b>11</b>	—
<b>Subtotal forest products, wood and chips</b>	<b>81</b>	—	<b>73</b>	<b>9</b>	—
4170 wood in the rough	81	—	73	9	—
4189 lumber	0	—	0	—	—
4190 forest products nec	0	—	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>5</b>	—	<b>2</b>	<b>2</b>	—
4225 pulp & waste paper	5	—	2	2	—
<b>Subtotal iron ore and scrap</b>	<b>0</b>	—	<b>0</b>	—	—
4420 iron & steel scrap	0	—	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	—	<b>0</b>	—	—
4680 non-ferrous scrap	0	—	0	—	—
<b>Total primary manufactured goods</b>	<b>0</b>	—	<b>0</b>	—	—
<b>Subtotal paper products</b>	<b>0</b>	—	<b>0</b>	—	—
5190 paper products nec	0	—	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	—	—
5240 glass & glass prod.	0	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	—	—
5421 copper	0	—	0	—	—
5480 fab. metal products	0	—	0	—	—
<b>Total food and farm products</b>	<b>15</b>	<b>14</b>	<b>1</b>	—	—
<b>Subtotal oilseeds</b>	<b>14</b>	<b>14</b>	—	—	—
6590 oilseeds nec	14	14	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	—	<b>0</b>	—	—
6653 vegetable oils	0	—	0	—	—
6654 vegetables & prod.	0	—	0	—	—
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	—	<b>0</b>	—	—
6782 animal feed, prep.	0	—	0	—	—
<b>Subtotal other agricultural products</b>	<b>1</b>	—	<b>1</b>	—	—
6811 meat, fresh, frozen	1	—	1	—	—
6839 animals & prod. nec	0	—	0	—	—
6857 fruit & nuts nec	0	—	0	—	—
6889 food products nec	0	—	0	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	—	<b>1</b>	—	—
7110 machinery (not elec)	0	—	0	—	—
7120 electrical machinery	0	—	0	—	—
7210 vehicles & parts	0	—	0	—	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	—	0	—	—
7500 textile products	0	—	0	—	—
7600 rubber & plastic pr.	0	—	0	—	—
7900 manufac. prod. nec	0	—	0	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	<b>0</b>	—	—
9900 unknown or nec	0	—	0	—	—

Commodity	Total	Domestic		
		Coastwise Receipts	Internal Receipts	Internal Shipments
<b>Total, all commodities</b>	<b>1,183</b>	<b>5</b>	<b>423</b>	<b>368</b>
<b>Total petroleum and petroleum products</b>	<b>1</b>	—	<b>1</b>	—
<b>Subtotal petroleum products</b>	<b>1</b>	—	<b>1</b>	—
2340 residual fuel oil	1	—	1	—
<b>Total crude materials, inedible except fuels</b>	<b>1,179</b>	<b>5</b>	<b>419</b>	<b>368</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,179</b>	<b>5</b>	<b>419</b>	<b>368</b>
4161 wood chips	114	—	4	110
4170 wood in the rough	1,065	5	415	258
<b>Total primary manufactured goods</b>	<b>3</b>	—	<b>3</b>	—
<b>Subtotal lime, cement and glass</b>	<b>3</b>	—	<b>3</b>	—
5290 misc. mineral prod.	3	—	3	—
<b>Total food and farm products</b>	<b>1</b>	—	<b>1</b>	—
<b>Subtotal fish</b>	<b>1</b>	—	<b>1</b>	—
6134 fish (not shellfish)	0	—	0	—
6136 shellfish	1	—	1	—

TACOMA HARBOR, WA

Section Included: All of Commencement Bay and tributary waterways east of a line extending from Brown Point to and including the wharves of the Tacoma Smelter. Controlling Depth: City Waterway, 28.9 to 16.2 feet; Hylebos Waterway, 23.4 feet; least depth in turning basin 27.1 feet; Blair (Port Industrial Waterway), 32.8 feet. Project Depth: City Waterway, 29 to 19 feet; Hylebos Waterway, 30 feet; Blair (Port Industrial Waterway), 30 to 35 feet. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	21,433	1993	18,652	1996	21,491	1999	21,103
1991	19,544	1994	17,616	1997	20,683		
1992	20,116	1995	20,879	1998	17,400		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
<b>Total, all commodities</b>	<b>13,323</b>	<b>3,780</b>	<b>8,843</b>	<b>565</b>	<b>135</b>
<b>Total coal</b>	<b>33</b>	<b>—</b>	<b>0</b>	<b>33</b>	<b>—</b>
1100 coal lignite	33	—	0	33	—
<b>Total petroleum and petroleum products</b>	<b>158</b>	<b>0</b>	<b>38</b>	<b>94</b>	<b>25</b>
<b>Subtotal crude petroleum</b>	<b>24</b>	<b>—</b>	<b>—</b>	<b>24</b>	<b>—</b>
2100 crude petroleum	24	—	—	24	—
<b>Subtotal petroleum products</b>	<b>134</b>	<b>0</b>	<b>38</b>	<b>70</b>	<b>25</b>
2211 gasoline	9	—	—	9	—
2330 distillate fuel oil	25	—	0	25	0
2340 residual fuel oil	81	—	31	36	14
2350 lube oil & greases	4	0	4	—	—
2410 petro. jelly & waxes	0	0	0	—	—
2429 naptha & solvents	12	0	1	—	11
2430 asphalt, tar & pitch	2	0	1	—	—
2540 petroleum coke	0	—	0	—	—
2640 liquid natural gas	0	0	0	—	—
<b>Total chemicals and related products</b>	<b>551</b>	<b>145</b>	<b>310</b>	<b>0</b>	<b>96</b>
<b>Subtotal fertilizers</b>	<b>29</b>	<b>0</b>	<b>29</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	1	0	1	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	27	—	27	—	—
3190 fert. & mixes nec	1	0	1	—	—
<b>Subtotal other chemicals and related products</b>	<b>522</b>	<b>145</b>	<b>281</b>	<b>0</b>	<b>96</b>
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	2	1	2	—	—
3220 alcohols	56	38	19	—	—
3230 carboxylic acids	20	5	15	—	—
3240 nitrogen func. comp.	17	5	12	—	0
3250 organo - inorg. comp.	15	4	10	—	—
3260 organic comp. nec	5	2	4	—	—
3272 sulphuric acid	0	0	0	—	—
3273 ammonia	0	0	—	—	—
3274 sodium hydroxide	41	7	0	—	34
3275 inorg. elem., oxides, & halogen salts	15	4	10	—	0
3276 metallic salts	77	4	11	—	61
3279 inorganic chem. nec	2	1	0	—	—
3281 radioactive material	0	—	0	—	—
3282 pigments & paints	11	3	8	—	0
3283 coloring mat. nec	6	4	2	—	—
3284 medicines	7	2	5	—	—
3285 perfumes & cleansers	14	2	13	—	0
3286 plastics	175	48	127	0	0
3291 pesticides	1	0	1	—	—
3292 starches, gluten, glue	15	5	10	—	—
3293 explosives	6	6	0	—	—
3297 chemical additives	5	0	5	—	—
3298 wood & resin chem.	15	0	15	—	—
3299 chem. products nec	17	4	13	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3,991</b>	<b>1,309</b>	<b>2,277</b>	<b>393</b>	<b>13</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,724</b>	<b>31</b>	<b>1,625</b>	<b>62</b>	<b>7</b>
4110 rubber & gums	17	17	—	—	—
4150 fuel wood	2	0	2	—	0
4161 wood chips	561	—	555	—	7
4170 wood in the rough	951	0	890	62	—
4189 lumber	190	12	178	0	—
4190 forest products nec	2	2	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>299</b>	<b>8</b>	<b>290</b>	<b>2</b>	<b>—</b>
4225 pulp & waste paper	299	8	290	2	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>575</b>	<b>351</b>	<b>3</b>	<b>215</b>	<b>5</b>
4310 building stone	3	1	0	2	—
4322 limestone	214	—	1	213	—
4323 gypsum	356	351	0	—	5
4331 sand & gravel	2	0	2	—	—
<b>Subtotal iron ore and scrap</b>	<b>363</b>	<b>0</b>	<b>279</b>	<b>84</b>	<b>—</b>
4410 iron ore	2	—	2	—	—
4420 iron & steel scrap	361	0	277	84	—

TACOMA HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>560</b>	<b>533</b>	<b>26</b>	<b>—</b>	<b>—</b>
4630 copper ore	0	—	0	—	—
4650 aluminum ore	533	532	1	—	—
4680 non-ferrous scrap	25	1	25	—	—
4690 non-ferrous ores nec	1	0	1	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>46</b>	<b>0</b>	<b>45</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	46	0	45	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4860 slag	0	—	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>424</b>	<b>385</b>	<b>9</b>	<b>30</b>	<b>—</b>
4900 non-metal. min. nec	424	385	9	30	—
<b>Total primary manufactured goods</b>	<b>975</b>	<b>487</b>	<b>444</b>	<b>44</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>348</b>	<b>26</b>	<b>320</b>	<b>2</b>	<b>—</b>
5110 newsprint	26	0	24	2	—
5120 paper & paperboard	269	13	256	—	—
5190 paper products nec	54	14	40	—	—
<b>Subtotal lime, cement and glass</b>	<b>130</b>	<b>106</b>	<b>25</b>	<b>0</b>	<b>0</b>
5210 lime	0	0	—	—	—
5220 cement & concrete	10	9	0	—	—
5240 glass & glass prod.	29	18	10	0	0
5290 misc. mineral prod.	92	78	14	0	—
<b>Subtotal primary iron and steel products</b>	<b>101</b>	<b>87</b>	<b>14</b>	<b>—</b>	<b>—</b>
5312 pig iron	3	0	3	—	—
5315 ferro alloys	2	0	2	—	—
5320 i&s primary forms	0	0	0	—	—
5330 i&s plates & sheets	41	35	6	—	—
5360 i&s bars & shapes	28	27	1	—	—
5370 i&s pipe & tube	14	13	1	—	—
5390 primary i&s nec	13	13	1	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>316</b>	<b>259</b>	<b>56</b>	<b>0</b>	<b>0</b>
5421 copper	10	8	2	—	—
5422 aluminum	23	3	20	—	0
5429 smelted prod. nec	25	1	24	—	—
5480 fab. metal products	257	247	10	0	0
<b>Subtotal primary wood products</b>	<b>80</b>	<b>8</b>	<b>30</b>	<b>41</b>	<b>—</b>
5540 primary wood prod.	80	8	30	41	—
<b>Total food and farm products</b>	<b>5,752</b>	<b>158</b>	<b>5,592</b>	<b>1</b>	<b>1</b>
<b>Subtotal fish</b>	<b>35</b>	<b>17</b>	<b>18</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	22	6	16	—	0
6136 shellfish	13	11	2	—	—
<b>Subtotal grain</b>	<b>3,949</b>	<b>6</b>	<b>3,942</b>	<b>—</b>	<b>0</b>
6241 wheat	26	—	26	—	—
6344 corn	3,833	0	3,833	—	—
6442 rice	7	6	0	—	0
6443 barley & rye	0	—	0	—	—
6445 oats	1	—	1	—	—
6447 sorghum grains	82	—	82	—	—
<b>Subtotal oilseeds</b>	<b>320</b>	<b>0</b>	<b>320</b>	<b>—</b>	<b>—</b>
6521 peanuts	0	—	0	—	—
6522 soybeans	308	0	308	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	12	0	12	—	—
<b>Subtotal vegetable products</b>	<b>266</b>	<b>16</b>	<b>249</b>	<b>1</b>	<b>0</b>
6653 vegetable oils	4	0	4	—	—
6654 vegetables & prod.	262	16	245	1	0
<b>Subtotal processed grain and animal feed</b>	<b>444</b>	<b>1</b>	<b>442</b>	<b>0</b>	<b>—</b>
6746 wheat flour	3	0	3	—	—
6747 grain mill products	18	1	17	—	—
6781 hay & fodder	303	0	303	0	—
6782 animal feed, prep.	120	1	120	—	—
<b>Subtotal other agricultural products</b>	<b>739</b>	<b>117</b>	<b>621</b>	<b>0</b>	<b>0</b>
6811 meat, fresh, frozen	270	2	267	0	—
6817 meat, prepared	4	—	4	—	—
6822 dairy products	24	0	24	—	—
6835 fish, prepared	8	6	1	—	—
6838 tallow, animal oils	50	—	50	—	—
6839 animals & prod. nec	29	1	29	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	161	11	150	—	0
6858 fruit juices	100	80	20	0	0
6861 sugar	1	0	1	—	—
6871 coffee	4	4	1	—	—
6872 cocoa beans	1	1	0	—	—
6885 alcoholic beverages	17	3	14	—	0
6888 water & ice	1	0	1	—	—
6889 food products nec	54	7	48	—	0
6891 tobacco & products	5	1	4	—	—
6893 cotton	5	0	5	—	—
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	3	0	3	—	—

TACOMA HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
<b>Total all manufactured equipment, machinery and products</b>	<b>1,829</b>	<b>1,666</b>	<b>162</b>	<b>0</b>	<b>1</b>
7110 machinery (not elec)	301	241	60	—	0
7120 electrical machinery	283	271	12	0	—
7210 vehicles & parts	280	258	22	—	0
7220 aircraft & parts	2	2	0	0	—
7230 ships & boats	1	1	1	0	—
7300 ordnance & access.	1	0	0	—	—
7400 manufac. wood prod.	32	24	8	—	—
7500 textile products	132	117	15	—	0
7600 rubber & plastic pr.	128	117	11	—	0
7900 manufac. prod. nec	669	636	33	0	—
<b>Total unknown or not elsewhere classified</b>	<b>34</b>	<b>14</b>	<b>19</b>	<b>0</b>	<b>—</b>
9900 unknown or nec	34	14	19	0	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Inraport
<b>Total, all commodities</b>	<b>7,781</b>	<b>2,127</b>	<b>1,945</b>	<b>2,229</b>	<b>854</b>
<b>Total coal</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
1200 coal coke	0	—	0	—	—
<b>Total petroleum and petroleum products</b>	<b>4,434</b>	<b>1,841</b>	<b>385</b>	<b>1,018</b>	<b>599</b>
<b>Subtotal crude petroleum</b>	<b>1,770</b>	<b>1,770</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	1,770	1,770	—	—	—
<b>Subtotal petroleum products</b>	<b>2,663</b>	<b>71</b>	<b>385</b>	<b>1,018</b>	<b>599</b>
2211 gasoline	337	10	15	256	44
2330 distillate fuel oil	562	10	269	130	147
2340 residual fuel oil	1,698	37	89	594	405
2350 lube oil & greases	16	—	12	4	—
2430 asphalt, tar & pitch	41	14	—	27	—
2540 petroleum coke	0	—	0	—	—
2640 liquid natural gas	0	—	0	—	—
2990 petro. products nec	9	—	0	6	3
<b>Total chemicals and related products</b>	<b>179</b>	<b>8</b>	<b>144</b>	<b>—</b>	<b>14</b>
<b>Subtotal fertilizers</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
3130 potassic fert.	0	—	0	—	—
3190 fert. & mixes nec	0	—	0	—	—
<b>Subtotal other chemicals and related products</b>	<b>179</b>	<b>8</b>	<b>144</b>	<b>—</b>	<b>14</b>
3220 alcohols	3	—	—	—	3
3230 carboxylic acids	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	—
3274 sodium hydroxide	141	—	121	—	7
3275 inorg. elem., oxides, & halogen salts	4	—	—	—	4
3284 medicines	0	—	0	—	—
3286 plastics	0	—	0	—	—
3297 chemical additives	6	—	6	—	—
3298 wood & resin chem.	0	—	0	—	—
3299 chem. products nec	24	8	16	—	—
<b>Total crude materials, inedible except fuels</b>	<b>1,473</b>	<b>3</b>	<b>28</b>	<b>1,200</b>	<b>220</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,356</b>	<b>—</b>	<b>23</b>	<b>1,102</b>	<b>208</b>
4161 wood chips	153	—	—	147	6
4170 wood in the rough	1,180	—	—	955	208
4189 lumber	23	—	23	—	17
4190 forest products nec	0	—	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	1	—	1	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>77</b>	<b>—</b>	<b>—</b>	<b>77</b>	<b>—</b>
4331 sand & gravel	77	—	—	77	—
<b>Subtotal iron ore and scrap</b>	<b>39</b>	<b>3</b>	<b>4</b>	<b>21</b>	<b>12</b>
4420 iron & steel scrap	39	3	4	21	12
<b>Subtotal non-ferrous ores and scrap</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4680 non-ferrous scrap	0	0	—	—	—
<b>Total primary manufactured goods</b>	<b>100</b>	<b>3</b>	<b>76</b>	<b>3</b>	<b>18</b>
<b>Subtotal paper products</b>	<b>15</b>	<b>—</b>	<b>15</b>	<b>—</b>	<b>—</b>
5120 paper & paperboard	1	—	1	—	—
5190 paper products nec	13	—	13	—	—
<b>Subtotal lime, cement and glass</b>	<b>31</b>	<b>0</b>	<b>19</b>	<b>3</b>	<b>9</b>
5290 misc. mineral prod.	31	0	19	3	9
<b>Subtotal primary iron and steel products</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>0</b>	<b>—</b>
5330 i&s plates & sheets	0	—	0	—	—
5360 i&s bars & shapes	2	—	2	—	—
5370 i&s pipe & tube	0	—	0	0	0
<b>Subtotal primary non-ferrous metal products</b>	<b>51</b>	<b>3</b>	<b>40</b>	<b>—</b>	<b>8</b>
5480 fab. metal products	51	3	40	—	8

TACOMA HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Receipts	Shipments	Intraport	
<b>Subtotal primary wood products</b>	<b>0</b>	—	0	—	—	—	—
5540 primary wood prod.	0	—	0	—	—	—	—
<b>Total food and farm products</b>	<b>411</b>	<b>37</b>	<b>373</b>	<b>1</b>	—	—	—
<b>Subtotal fish</b>	<b>34</b>	<b>33</b>	—	<b>1</b>	—	—	—
6134 fish (not shellfish)	33	33	—	1	—	—	—
6136 shellfish	1	—	—	1	—	—	—
<b>Subtotal grain</b>	<b>0</b>	—	<b>0</b>	—	—	—	—
6443 barley & rye	0	—	0	—	—	—	—
<b>Subtotal vegetable products</b>	<b>1</b>	—	<b>1</b>	—	—	—	—
6654 vegetables & prod.	1	—	1	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>4</b>	—	<b>4</b>	—	—	—	—
6746 wheat flour	3	—	3	—	—	—	—
6747 grain mill products	0	—	0	—	—	—	—
6782 animal feed, prep.	1	—	1	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>372</b>	<b>4</b>	<b>368</b>	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—
6817 meat, prepared	1	—	1	—	—	—	—
6835 fish, prepared	3	3	—	—	—	—	—
6838 tallow, animal oils	0	—	0	—	—	—	—
6839 animals & prod. nec	11	1	10	—	—	—	—
6857 fruit & nuts nec	2	0	2	—	—	—	—
6858 fruit juices	0	—	0	—	—	—	—
6871 coffee	0	—	0	—	—	—	—
6885 alcoholic beverages	0	—	0	—	—	—	—
6887 groceries	353	—	353	—	—	—	—
6889 food products nec	1	—	1	—	—	—	—
6891 tobacco & products	0	—	0	—	—	—	—
6894 natural fibers nec	0	—	0	—	—	—	—
6899 farm products nec	1	—	1	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1,163</b>	<b>230</b>	<b>924</b>	<b>6</b>	<b>3</b>	—	—
7110 machinery (not elec)	1	0	0	1	—	—	—
7120 electrical machinery	0	—	0	—	—	—	—
7210 vehicles & parts	70	22	48	—	0	—	—
7400 manufac. wood prod.	19	0	19	—	—	—	—
7500 textile products	21	13	8	—	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—	—	—
7900 manufac. prod. nec	1,052	195	849	5	3	—	—
<b>Total unknown or not elsewhere classified</b>	<b>21</b>	<b>4</b>	<b>16</b>	—	—	—	—
9900 unknown or nec	21	4	16	—	—	—	—

\*Includes 285 (x1000) tons of foreign inbound in-transits; Includes 273 (x1000) tons of foreign outbound in-transits;  
Includes 6 (x1000) tons of Canadian inbound in-transits.

SEATTLE HARBOR, WA

Section Included: From Union Oil dock near Edmonds on the North to Fauntleroy Ferry Slip on the south, including Elliott Bay, East, West, and Duwamish Waterway, Lake Washington Ship Canal, Salmon Bay, Lake Union, Lake Washington, and Kenmore Navigation Channel. Controlling Depth: Elliott Bay, unlimited; West Waterway, 28.0 feet; East Waterway, 31.2 feet; Duwamish Waterway, 18.2 feet from head of West Waterway to 1st Avenue So., 11.0 feet from 1st Avenue So. 14th Avenue So. 8.5 feet from 14th Avenue So. to head of waterway; Lake Washington Ship Canal, 29.2 feet below locks; above the locks 26.1 feet, Kenmore Navigation Channel; 13.6 feet. Project Depth: Elliot Bay, unlimited; East and West Waterways, 34 feet; Duwamish Waterway, 30 feet to First Avenue South; 20 feet to 8th Avenue South; and 15 feet from 8th Avenue South to head of waterway; Lake Washington Ship Canal, 34 feet below locks; 30 feet at lower pool level, Kenmore Navigation Channel; 15 feet. All depths refer to mllw except inside Lake Washington Ship Canal which reflects low lake level.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	21,570	1993	21,693	1996	23,547	<b>1999</b>	<b>25,443</b>
1991	20,897	1994	22,336	1997	26,564		
1992	21,883	1995	26,180	1998	22,594		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
<b>Total, all commodities</b>	<b>16,389</b>	<b>5,191</b>	<b>7,238</b>	<b>3,840</b>	<b>119</b>
<b>Total coal</b>	<b>129</b>	<b>1</b>	<b>2</b>	<b>127</b>	—
1100 coal lignite	129	1	2	127	—
<b>Total petroleum and petroleum products</b>	<b>200</b>	<b>16</b>	<b>157</b>	<b>0</b>	<b>27</b>
<b>Subtotal crude petroleum</b>	<b>13</b>	<b>13</b>	—	—	—
2100 crude petroleum	13	13	—	—	—
<b>Subtotal petroleum products</b>	<b>187</b>	<b>3</b>	<b>157</b>	<b>0</b>	<b>27</b>
2211 gasoline	4	—	—	—	4

SEATTLE HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
2221 kerosene	0	—	—	—	0
2330 distillate fuel oil	4	0	0	—	4
2340 residual fuel oil	123	—	114	—	9
2350 lube oil & greases	5	1	5	—	—
2410 petro. jelly & waxes	2	2	0	—	—
2429 naphtha & solvents	36	—	36	—	—
2430 asphalt, tar & pitch	1	0	1	—	—
2540 petroleum coke	11	0	1	—	10
2640 liquid natural gas	1	0	0	0	—
<b>Total chemicals and related products</b>	<b>583</b>	<b>243</b>	<b>295</b>	<b>11</b>	<b>34</b>
<b>Subtotal fertilizers</b>	<b>16</b>	<b>0</b>	<b>11</b>	<b>5</b>	<b>—</b>
3110 nitrogenous fert.	5	0	0	4	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	—	0	—	—
3190 fert. & mixes nec	11	0	11	0	—
<b>Subtotal other chemicals and related products</b>	<b>567</b>	<b>243</b>	<b>285</b>	<b>6</b>	<b>34</b>
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	3	0	2	—	—
3220 alcohols	21	17	5	—	—
3230 carboxylic acids	22	11	11	0	—
3240 nitrogen func. comp.	27	19	8	—	0
3250 organo - inorg. comp.	10	6	4	—	—
3260 organic comp. nec	10	2	8	—	—
3272 sulphuric acid	1	1	0	—	—
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	11	0	1	—	10
3275 inorg. elem., oxides, & halogen salts	28	11	14	2	0
3276 metallic salts	49	15	10	0	23
3279 inorganic chem. nec	6	1	1	4	—
3281 radioactive material	2	1	1	—	—
3282 pigments & paints	14	6	7	—	0
3283 coloring mat. nec	8	7	1	—	—
3284 medicines	5	3	2	0	—
3285 perfumes & cleansers	22	5	18	—	0
3286 plastics	194	101	93	0	0
3291 pesticides	2	1	1	—	—
3292 starches, gluten, glue	28	15	13	0	—
3293 explosives	4	4	0	—	—
3297 chemical additives	7	1	5	—	0
3298 wood & resin chem.	64	0	63	0	—
3299 chem. products nec	30	13	17	—	—
<b>Total crude materials, inedible except fuels</b>	<b>4,725</b>	<b>906</b>	<b>954</b>	<b>2,810</b>	<b>55</b>
<b>Subtotal forest products, wood and chips</b>	<b>702</b>	<b>120</b>	<b>330</b>	<b>223</b>	<b>29</b>
4110 rubber & gums	48	48	0	—	—
4150 fuel wood	7	0	1	—	5
4161 wood chips	25	—	1	—	24
4170 wood in the rough	81	1	81	—	—
4189 lumber	536	68	245	223	—
4190 forest products nec	5	4	1	—	—
<b>Subtotal pulp and waste paper</b>	<b>397</b>	<b>1</b>	<b>362</b>	<b>33</b>	<b>—</b>
4225 pulp & waste paper	397	1	362	33	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3,130</b>	<b>694</b>	<b>59</b>	<b>2,353</b>	<b>25</b>
4310 building stone	2	1	1	—	—
4322 limestone	1,730	—	0	1,730	—
4323 gypsum	846	692	3	130	21
4327 phosphate rock	1	0	1	—	—
4331 sand & gravel	551	2	53	492	4
<b>Subtotal iron ore and scrap</b>	<b>195</b>	<b>1</b>	<b>31</b>	<b>163</b>	<b>—</b>
4410 iron ore	8	—	8	—	—
4420 iron & steel scrap	187	1	24	163	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	0	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>37</b>	<b>5</b>	<b>32</b>	<b>—</b>	<b>1</b>
4630 copper ore	3	0	3	—	—
4650 aluminum ore	2	2	1	—	—
4670 manganese ore	0	0	—	—	—
4680 non-ferrous scrap	29	2	27	—	—
4690 non-ferrous ores nec	3	1	1	—	1
<b>Subtotal sulphur, clay and salt</b>	<b>70</b>	<b>1</b>	<b>69</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	7	—	7	—	—
4782 clay & refrac. mat.	63	1	62	—	—
<b>Subtotal slag</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4860 slag	1	0	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>193</b>	<b>85</b>	<b>71</b>	<b>38</b>	<b>—</b>
4900 non-metal. min. nec	193	85	71	38	—
<b>Total primary manufactured goods</b>	<b>2,379</b>	<b>939</b>	<b>560</b>	<b>879</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>621</b>	<b>71</b>	<b>377</b>	<b>172</b>	<b>0</b>
5110 newsprint	158	1	36	122	—
5120 paper & paperboard	413	44	318	51	0
5190 paper products nec	50	27	23	0	0
<b>Subtotal lime, cement and glass</b>	<b>787</b>	<b>267</b>	<b>69</b>	<b>450</b>	<b>0</b>
5210 lime	0	0	0	—	—

SEATTLE HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
5220 cement & concrete	556	128	1	427	—
5240 glass & glass prod.	50	39	11	0	0
5290 misc. mineral prod.	180	100	56	23	0
<b>Subtotal primary iron and steel products</b>	<b>176</b>	<b>159</b>	<b>17</b>	<b>1</b>	<b>0</b>
5312 pig iron	1	1	0	—	—
5315 ferro alloys	2	1	1	—	—
5320 i&s primary forms	2	1	1	—	—
5330 i&s plates & sheets	63	53	11	0	—
5360 i&s bars & shapes	27	25	1	0	—
5370 i&s pipe & tube	61	60	2	0	0
5390 primary i&s nec	20	19	1	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>486</b>	<b>418</b>	<b>68</b>	<b>0</b>	<b>0</b>
5421 copper	13	11	3	0	—
5422 aluminum	61	17	44	0	0
5429 smelted prod. nec	7	3	4	0	—
5480 fab. metal products	404	387	17	0	0
<b>Subtotal primary wood products</b>	<b>309</b>	<b>24</b>	<b>30</b>	<b>255</b>	<b>—</b>
5540 primary wood prod.	309	24	30	255	—
<b>Total food and farm products</b>	<b>5,295</b>	<b>305</b>	<b>4,987</b>	<b>1</b>	<b>3</b>
<b>Subtotal fish</b>	<b>117</b>	<b>39</b>	<b>78</b>	<b>—</b>	<b>1</b>
6134 fish (not shellfish)	97	23	73	—	1
6136 shellfish	21	16	4	—	0
<b>Subtotal grain</b>	<b>2,054</b>	<b>17</b>	<b>2,037</b>	<b>—</b>	<b>—</b>
6241 wheat	102	—	102	—	—
6344 corn	1,922	0	1,921	—	—
6442 rice	19	17	3	—	—
6443 barley & rye	0	—	0	—	—
6445 oats	1	—	1	—	—
6447 sorghum grains	9	—	9	—	—
<b>Subtotal oilseeds</b>	<b>388</b>	<b>2</b>	<b>386</b>	<b>0</b>	<b>—</b>
6521 peanuts	1	0	0	—	—
6522 soybeans	351	0	351	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	36	2	35	0	—
<b>Subtotal vegetable products</b>	<b>466</b>	<b>17</b>	<b>449</b>	<b>—</b>	<b>0</b>
6653 vegetable oils	3	1	2	—	0
6654 vegetables & prod.	463	16	446	—	0
<b>Subtotal processed grain and animal feed</b>	<b>1,048</b>	<b>10</b>	<b>1,038</b>	<b>0</b>	<b>—</b>
6746 wheat flour	9	0	9	—	—
6747 grain mill products	26	3	23	—	—
6781 hay & fodder	626	0	626	0	—
6782 animal feed, prep.	387	7	380	—	—
<b>Subtotal other agricultural products</b>	<b>1,222</b>	<b>220</b>	<b>1,000</b>	<b>0</b>	<b>1</b>
6811 meat, fresh, frozen	438	22	416	0	—
6817 meat, prepared	7	0	6	—	—
6822 dairy products	42	3	39	0	—
6835 fish, prepared	29	10	19	—	0
6838 tallow, animal oils	35	0	35	—	—
6839 animals & prod. nec	125	9	116	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	240	55	185	—	0
6858 fruit juices	69	27	42	0	—
6861 sugar	0	0	0	—	—
6865 molasses	2	2	—	—	—
6871 coffee	34	32	1	—	0
6872 cocoa beans	3	3	0	—	—
6885 alcoholic beverages	61	31	31	0	—
6888 water & ice	4	0	4	0	—
6889 food products nec	89	19	70	—	0
6891 tobacco & products	4	1	3	—	—
6893 cotton	4	0	4	—	1
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	34	5	29	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>3,029</b>	<b>2,760</b>	<b>257</b>	<b>11</b>	<b>1</b>
7110 machinery (not elec)	504	435	69	0	0
7120 electrical machinery	497	465	31	1	0
7210 vehicles & parts	404	372	31	0	0
7220 aircraft & parts	7	6	0	0	—
7230 ships & boats	5	1	3	0	0
7300 ordnance & access.	2	1	1	—	—
7400 manufac. wood prod.	59	33	17	9	—
7500 textile products	339	322	17	0	0
7600 rubber & plastic pr.	230	208	22	0	0
7900 manufac. prod. nec	981	916	65	0	0
<b>Total unknown or not elsewhere classified</b>	<b>48</b>	<b>20</b>	<b>26</b>	<b>2</b>	<b>0</b>
9900 unknown or nec	48	20	26	2	0

SEATTLE HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			Inraport
		Receipts	Shipments	Receipts	Shipments		
<b>Total, all commodities</b>	<b>9,054</b>	<b>478</b>	<b>1,185</b>	<b>4,681</b>	<b>1,194</b>	<b>1,516</b>	
<b>Total coal</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>1</b>	<b>—</b>	
1100 coal lignite	1	—	—	0	1	—	
<b>Total petroleum and petroleum products</b>	<b>4,329</b>	<b>112</b>	<b>191</b>	<b>2,113</b>	<b>652</b>	<b>1,261</b>	
<b>Subtotal crude petroleum</b>	<b>24</b>	<b>2</b>	<b>21</b>	<b>—</b>	<b>—</b>	<b>—</b>	
2100 crude petroleum	24	2	21	—	—	—	
<b>Subtotal petroleum products</b>	<b>4,305</b>	<b>110</b>	<b>170</b>	<b>2,113</b>	<b>652</b>	<b>1,261</b>	
2211 gasoline	685	—	0	652	28	5	
2330 distillate fuel oil	569	30	129	253	52	104	
2340 residual fuel oil	2,937	70	36	1,151	529	1,151	
2350 lube oil & greases	16	0	1	5	9	1	
2429 naphtha & solvents	8	—	3	—	5	—	
2430 asphalt, tar & pitch	65	9	—	29	27	—	
2540 petroleum coke	0	—	—	—	0	—	
2640 liquid natural gas	0	0	—	—	—	—	
2990 petro. products nec	25	0	1	22	2	—	
<b>Total chemicals and related products</b>	<b>49</b>	<b>1</b>	<b>26</b>	<b>6</b>	<b>11</b>	<b>5</b>	
<b>Subtotal fertilizers</b>	<b>21</b>	<b>0</b>	<b>20</b>	<b>—</b>	<b>2</b>	<b>—</b>	
3110 nitrogenous fert.	2	—	—	—	2	—	
3190 fert. & mixes nec	20	0	20	—	—	—	
<b>Subtotal other chemicals and related products</b>	<b>28</b>	<b>1</b>	<b>7</b>	<b>6</b>	<b>9</b>	<b>5</b>	
3220 alcohols	8	—	—	3	—	5	
3260 organic comp. nec	0	—	0	—	—	—	
3275 inorg. elem., oxides, & halogen salts	1	—	1	—	—	—	
3276 metallic salts	2	—	—	—	2	—	
3281 radioactive material	0	0	—	—	—	—	
3282 pigments & paints	2	0	0	—	1	—	
3284 medicines	0	—	0	—	0	—	
3285 perfumes & cleansers	0	—	0	—	—	—	
3286 plastics	4	—	4	—	0	—	
3291 pesticides	0	—	0	—	—	—	
3293 explosives	1	—	1	—	—	—	
3299 chem. products nec	9	0	0	3	6	—	
<b>Total crude materials, inedible except fuels</b>	<b>3,073</b>	<b>20</b>	<b>145</b>	<b>2,462</b>	<b>238</b>	<b>208</b>	
<b>Subtotal forest products, wood and chips</b>	<b>175</b>	<b>1</b>	<b>124</b>	<b>8</b>	<b>41</b>	<b>1</b>	
4110 rubber & gums	0	—	—	0	0	—	
4150 fuel wood	0	—	—	0	—	0	
4161 wood chips	3	—	—	2	2	—	
4170 wood in the rough	28	—	—	1	25	1	
4189 lumber	142	1	123	5	13	—	
4190 forest products nec	2	0	1	—	1	—	
<b>Subtotal pulp and waste paper</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	
4225 pulp & waste paper	6	6	0	0	0	—	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>2,834</b>	<b>—</b>	<b>5</b>	<b>2,428</b>	<b>195</b>	<b>207</b>	
4322 limestone	0	—	—	—	0	—	
4323 gypsum	0	—	0	—	—	—	
4331 sand & gravel	2,820	—	0	2,419	193	207	
4335 waterway improv. mat	9	—	—	9	—	—	
4338 soil & fill dirt	5	—	4	—	1	—	
<b>Subtotal iron ore and scrap</b>	<b>30</b>	<b>12</b>	<b>—</b>	<b>19</b>	<b>—</b>	<b>—</b>	
4420 iron & steel scrap	30	12	—	19	—	—	
<b>Subtotal sulphur, clay and salt</b>	<b>7</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>0</b>	<b>—</b>	
4782 clay & refrac. mat.	7	—	—	7	0	—	
<b>Subtotal slag</b>	<b>6</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	
4860 slag	6	—	6	—	—	—	
<b>Subtotal other non-metal. min.</b>	<b>14</b>	<b>2</b>	<b>10</b>	<b>0</b>	<b>2</b>	<b>—</b>	
4900 non-metal. min. nec	14	2	10	0	2	—	
<b>Total primary manufactured goods</b>	<b>280</b>	<b>6</b>	<b>191</b>	<b>16</b>	<b>53</b>	<b>13</b>	
<b>Subtotal paper products</b>	<b>53</b>	<b>1</b>	<b>48</b>	<b>0</b>	<b>4</b>	<b>—</b>	
5110 newsprint	4	—	4	—	—	—	
5120 paper & paperboard	9	0	9	—	—	—	
5190 paper products nec	40	0	35	0	4	—	
<b>Subtotal lime, cement and glass</b>	<b>110</b>	<b>—</b>	<b>74</b>	<b>6</b>	<b>18</b>	<b>12</b>	
5210 lime	1	—	—	—	1	—	
5220 cement & concrete	19	—	2	0	8	9	
5240 glass & glass prod.	3	—	1	—	2	—	
5290 misc. mineral prod.	87	—	71	6	7	3	
<b>Subtotal primary iron and steel products</b>	<b>3</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	
5360 i&s bars & shapes	0	—	—	—	0	—	
5370 i&s pipe & tube	3	—	1	1	2	0	
<b>Subtotal primary non-ferrous metal products</b>	<b>89</b>	<b>6</b>	<b>43</b>	<b>9</b>	<b>29</b>	<b>1</b>	
5480 fab. metal products	89	6	43	9	29	1	
<b>Subtotal primary wood products</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>—</b>	<b>—</b>	<b>—</b>	
5540 primary wood prod.	25	0	25	—	—	—	
<b>Total food and farm products</b>	<b>464</b>	<b>126</b>	<b>197</b>	<b>41</b>	<b>73</b>	<b>27</b>	
<b>Subtotal fish</b>	<b>63</b>	<b>44</b>	<b>3</b>	<b>15</b>	<b>0</b>	<b>—</b>	
6134 fish (not shellfish)	51	34	3	14	0	—	
6136 shellfish	12	11	0	1	—	—	

SEATTLE HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Receipts	Shipments	Intraport	
<b>Subtotal grain</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—	—	
6442 rice	0	0	0	—	—	—	
<b>Subtotal vegetable products</b>	<b>40</b>	<b>0</b>	<b>39</b>	—	—	<b>0</b>	—
6653 vegetable oils	0	—	0	—	—	—	—
6654 vegetables & prod.	40	0	39	—	—	0	—
<b>Subtotal processed grain and animal feed</b>	<b>56</b>	<b>0</b>	<b>56</b>	—	—	<b>0</b>	—
6746 wheat flour	4	—	4	—	—	—	—
6747 grain mill products	1	0	1	—	—	—	—
6781 hay & fodder	1	—	1	—	—	—	—
6782 animal feed, prep.	50	0	50	—	—	0	—
<b>Subtotal other agricultural products</b>	<b>304</b>	<b>81</b>	<b>98</b>	<b>26</b>	<b>72</b>	<b>27</b>	
6811 meat, fresh, frozen	4	0	3	—	—	0	—
6817 meat, prepared	0	—	0	—	—	—	—
6822 dairy products	1	—	1	—	—	—	—
6835 fish, prepared	30	13	0	17	—	—	—
6839 animals & prod. nec	2	1	1	—	—	—	—
6857 fruit & nuts nec	3	0	3	—	—	—	—
6858 fruit juices	19	18	0	—	—	0	—
6861 sugar	0	—	0	—	—	—	—
6865 molasses	55	28	—	—	—	27	—
6871 coffee	0	—	0	—	—	—	—
6885 alcoholic beverages	27	0	12	5	10	—	—
6887 groceries	32	0	5	0	26	—	—
6889 food products nec	129	19	70	4	35	—	—
6891 tobacco & products	0	—	0	—	—	—	—
6899 farm products nec	3	1	2	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>859</b>	<b>213</b>	<b>435</b>	<b>42</b>	<b>166</b>	<b>2</b>	
7110 machinery (not elec)	45	15	19	4	7	1	—
7120 electrical machinery	9	0	1	0	8	—	—
7210 vehicles & parts	31	10	13	2	7	0	—
7220 aircraft & parts	0	0	—	—	—	—	—
7230 ships & boats	1	0	0	0	0	—	—
7400 manufac. wood prod.	45	0	28	5	12	—	—
7500 textile products	3	2	0	0	1	—	—
7600 rubber & plastic pr.	4	0	1	0	3	—	—
7900 manufac. prod. nec	721	186	373	32	129	1	—

\*Includes 415 (x1000) tons of foreign inbound in-transits; Includes 244 (x1000) tons of foreign outbound in-transits;  
Includes 6 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)

Section Included: As described under Seattle Harbor, WA.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,724	1993	1,919	1996	1,316	<b>1999</b>	<b>1,594</b>
1991	1,437	1994	1,365	1997	1,496		
1992	1,614	1995	1,555	1998	1,679		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
<b>Total, all commodities</b>	<b>54</b>	<b>12</b>	<b>2</b>	<b>22</b>	<b>18</b>
<b>Total chemicals and related products</b>	<b>30</b>	<b>12</b>	—	—	<b>18</b>
<b>Subtotal other chemicals and related products</b>	<b>30</b>	<b>12</b>	—	—	<b>18</b>
3220 alcohols	12	12	—	—	—
3274 sodium hydroxide	9	—	—	—	9
3276 metallic salts	9	—	—	—	9
<b>Total crude materials, inedible except fuels</b>	<b>19</b>	—	—	<b>19</b>	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>19</b>	—	—	<b>19</b>	—
4331 sand & gravel	19	—	—	19	—
<b>Total primary manufactured goods</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	—
<b>Subtotal paper products</b>	<b>0</b>	<b>0</b>	—	—	—
5190 paper products nec	0	0	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>3</b>	—	—	<b>3</b>	—
5290 misc. mineral prod.	3	—	—	3	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	—	—
5480 fab. metal products	0	—	0	—	—

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
<b>Total food and farm products</b>	<b>2</b>	<b>1</b>	<b>2</b>	—	—
Subtotal fish	1	1	—	—	—
6136 shellfish	1	1	—	—	—
<b>Subtotal other agricultural products</b>	<b>2</b>	—	<b>2</b>	—	—
6838 tallow, animal oils	1	—	1	—	—
6889 food products nec	1	—	1	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	—
7110 machinery (not elec)	0	0	—	—	—
7500 textile products	0	—	0	—	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound	Outbound
Upbound	Downbnd				
<b>Total, all commodities</b>	<b>1,540</b>	<b>65</b>	<b>149</b>	<b>1,252</b>	<b>74</b>
<b>Total petroleum and petroleum products</b>	<b>70</b>	<b>0</b>	<b>1</b>	<b>58</b>	<b>10</b>
<b>Subtotal petroleum products</b>	<b>70</b>	<b>0</b>	<b>1</b>	<b>58</b>	<b>10</b>
2330 distillate fuel oil	56	—	—	56	—
2340 residual fuel oil	11	—	—	2	9
2350 lube oil & greases	1	0	1	—	1
2540 petroleum coke	0	—	—	—	0
2990 petro. products nec	2	0	1	0	1
<b>Total chemicals and related products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Subtotal other chemicals and related products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
3275 inorg. elem., oxides, & halogen salts	1	—	1	—	—
3286 plastics	0	—	0	—	0
3299 chem. products nec	0	0	—	0	—
<b>Total crude materials, inedible except fuels</b>	<b>1,209</b>	<b>2</b>	<b>28</b>	<b>1,161</b>	<b>18</b>
<b>Subtotal forest products, wood and chips</b>	<b>33</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>14</b>
4170 wood in the rough	9	—	—	—	9
4189 lumber	23	0	19	0	4
4190 forest products nec	1	0	1	—	1
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1,165</b>	—	<b>0</b>	<b>1,161</b>	<b>4</b>
4323 gypsum	0	—	0	—	—
4331 sand & gravel	1,164	—	0	1,161	3
4338 soil & fill dirt	1	—	—	—	1
<b>Subtotal other non-metal. min.</b>	<b>10</b>	<b>2</b>	<b>8</b>	—	<b>0</b>
4900 non-metal. min. nec	10	2	8	—	0
<b>Total primary manufactured goods</b>	<b>58</b>	<b>2</b>	<b>49</b>	<b>0</b>	<b>7</b>
<b>Subtotal paper products</b>	<b>9</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>1</b>
5190 paper products nec	9	0	8	0	1
<b>Subtotal lime, cement and glass</b>	<b>25</b>	—	<b>20</b>	<b>0</b>	<b>5</b>
5220 cement & concrete	3	—	2	—	1
5240 glass & glass prod.	1	—	1	—	—
5290 misc. mineral prod.	22	—	18	0	4
<b>Subtotal primary iron and steel products</b>	<b>1</b>	—	<b>0</b>	<b>0</b>	—
5370 i&s pipe & tube	1	—	0	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>23</b>	<b>2</b>	<b>20</b>	<b>0</b>	<b>2</b>
5480 fab. metal products	23	2	20	0	2
<b>Subtotal primary wood products</b>	<b>1</b>	—	<b>1</b>	—	—
5540 primary wood prod.	1	—	1	—	—
<b>Total food and farm products</b>	<b>112</b>	<b>57</b>	<b>8</b>	<b>27</b>	<b>20</b>
<b>Subtotal fish</b>	<b>55</b>	<b>44</b>	<b>2</b>	<b>8</b>	<b>0</b>
6134 fish (not shellfish)	44	33	2	8	0
6136 shellfish	10	10	—	0	—
<b>Subtotal vegetable products</b>	<b>1</b>	<b>0</b>	<b>0</b>	—	0
6654 vegetables & prod.	1	0	0	—	0
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	—	<b>0</b>	—	0
6746 wheat flour	0	—	0	—	—
6782 animal feed, prep.	0	—	0	—	0
<b>Subtotal other agricultural products</b>	<b>56</b>	<b>13</b>	<b>5</b>	<b>19</b>	<b>19</b>
6811 meat, fresh, frozen	1	0	1	0	0
6835 fish, prepared	28	13	0	14	—
6858 fruit juices	1	0	0	—	0
6885 alcoholic beverages	10	0	1	5	4
6887 groceries	17	0	3	0	14
<b>Total all manufactured equipment, machinery and products</b>	<b>89</b>	<b>4</b>	<b>62</b>	<b>5</b>	<b>19</b>
7110 machinery (not elec)	3	0	1	0	1
7210 vehicles & parts	7	0	5	0	1
7230 ships & boats	1	0	0	0	0
7400 manufac. wood prod.	21	—	18	0	3
7900 manufac. prod. nec	58	3	38	4	14

EVERETT HARBOR AND SNOHOMISH RIVER, WA

Section Included: Port Gardner Bay from the Weyerhaeuser Company Thermo-Mechanical Mill, on the south to Preston Point on the north and including the Snohomish River and Tributary Waters. Controlling Depth: East Waterway, 33.3 feet; 14.0 feet in Port Gardner Bay to the settling basin; 8.8 feet in the settling basin; 6.1 feet from the settling basin to Burlington Northern Railroad; 4.8 feet from Burlington Northern Railroad to head of waterway at Steamboat Slough. Project Depth: East Waterway, 30 feet; deep water in Port Gardner Bay to settling basin, 15 feet; settling basin, 20 feet; from the settling basin to the gap, 8 feet; from the gap to the upstream settling basin, 8 feet; 40 feet in upstream settling basin; 8 feet to head of waterway. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	6,580	1993	4,714	1996	4,007	1999	3,815
1991	5,453	1994	4,192	1997	3,640		
1992	6,010	1995	4,441	1998	3,321		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
<b>Total, all commodities</b>	<b>696</b>	<b>320</b>	<b>270</b>	<b>36</b>	<b>69</b>
<b>Total petroleum and petroleum products</b>	<b>1</b>	—	1	—	—
<b>Subtotal petroleum products</b>	<b>1</b>	—	1	—	—
2340 residual fuel oil	1	—	1	—	—
<b>Total chemicals and related products</b>	<b>1</b>	—	—	—	1
<b>Subtotal other chemicals and related products</b>	<b>1</b>	—	—	—	1
3276 metallic salts	1	—	—	—	1
<b>Total crude materials, inedible except fuels</b>	<b>691</b>	<b>319</b>	<b>267</b>	<b>36</b>	<b>69</b>
<b>Subtotal forest products, wood and chips</b>	<b>349</b>	—	253	27	69
4150 fuel wood	7	—	—	0	7
4161 wood chips	61	—	—	—	61
4170 wood in the rough	280	—	253	27	—
<b>Subtotal pulp and waste paper</b>	<b>15</b>	—	15	—	—
4225 pulp & waste paper	15	—	15	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>9</b>	—	—	9	—
4310 building stone	4	—	—	4	—
4331 sand & gravel	5	—	—	5	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>319</b>	<b>319</b>	—	—	—
4650 aluminum ore	319	319	—	—	—
<b>Total primary manufactured goods</b>	<b>0</b>	—	0	—	—
<b>Subtotal paper products</b>	<b>0</b>	—	0	—	—
5120 paper & paperboard	0	—	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	0	—	—
5290 misc. mineral prod.	0	—	0	—	—
<b>Total food and farm products</b>	<b>2</b>	—	2	—	—
<b>Subtotal vegetable products</b>	<b>2</b>	—	2	—	—
6653 vegetable oils	0	—	0	—	—
6654 vegetables & prod.	2	—	2	—	—
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	—	0	—	—
6747 grain mill products	0	—	0	—	—
<b>Subtotal other agricultural products</b>	<b>0</b>	—	0	—	—
6811 meat, fresh, frozen	0	—	0	—	—
6839 animals & prod. nec	0	—	0	—	—
6857 fruit & nuts nec	0	—	0	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>1</b>	<b>0</b>	—	—
7110 machinery (not elec)	0	0	0	—	—
7210 vehicles & parts	1	1	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	—	0	—	—
9900 unknown or nec	0	—	0	—	—

Commodity	Total	Domestic				
		Coastwise	Shipments	Receipts	Shipments	
		Receipts	Shipments	Intraport		
<b>Total, all commodities</b>	<b>3,119</b>	<b>53</b>	<b>15</b>	<b>1,884</b>	<b>1,110</b>	<b>58</b>
<b>Total petroleum and petroleum products</b>	<b>83</b>	—	—	49	34	1
<b>Subtotal petroleum products</b>	<b>83</b>	—	—	49	34	1
2330 distillate fuel oil	1	—	—	1	0	0
2340 residual fuel oil	81	—	—	48	33	—
2990 petro. products nec	0	—	—	—	—	0
<b>Total chemicals and related products</b>	<b>11</b>	—	—	11	—	—
<b>Subtotal other chemicals and related products</b>	<b>11</b>	—	—	11	—	—
3274 sodium hydroxide	7	—	—	7	—	—
3275 inorg. elem.,oxides, & halogen salts	4	—	—	4	—	—

EVERETT HARBOR AND SNOHOMISH RIVER, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			Inraport
		Receipts	Shipments	Receipts	Shipments		
<b>Total crude materials, inedible except fuels</b>	<b>2,998</b>	<b>53</b>	<b>14</b>	<b>1,810</b>	<b>1,066</b>	<b>57</b>	
<b>Subtotal forest products, wood and chips</b>	<b>2,561</b>	<b>53</b>	<b>14</b>	<b>1,378</b>	<b>1,062</b>	<b>55</b>	
4161 wood chips	66	—	14	17	36	—	
4170 wood in the rough	2,495	53	—	1,361	1,027	55	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>437</b>	<b>—</b>	<b>—</b>	<b>432</b>	<b>3</b>	<b>2</b>	
4331 sand & gravel	437	—	—	432	3	2	
<b>Total primary manufactured goods</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
5290 misc. mineral prod.	0	—	—	0	—	—	
<b>Subtotal primary iron and steel products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
5360 i&s bars & shapes	0	—	—	0	—	—	
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	
5480 fab. metal products	0	—	—	0	—	—	
<b>Total food and farm products</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	
<b>Subtotal fish</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	
6134 fish (not shellfish)	1	—	—	1	—	—	
6136 shellfish	0	—	—	0	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>24</b>	<b>—</b>	<b>1</b>	<b>13</b>	<b>10</b>	<b>0</b>	
7110 machinery (not elec)	0	—	0	—	—	—	
7900 manufac. prod. nec	24	—	1	13	10	0	
<b>Total unknown or not elsewhere classified</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>1</b>	<b>—</b>	
9900 unknown or nec	2	—	—	0	1	—	

\*Includes 1 (x1000) tons of foreign inbound in-transits; Includes 7 (x1000) tons of foreign outbound in-transits.

ANACORTES HARBOR, WA

Section Included: Water front of Fidalgo Island from Burrows Bay to and including the oil refinery wharves on Fidalgo Bay. Controlling Depth: Main harbor on Guemes Channel, 33 feet; CapSante Waterway, Outer Waterway 11.4 feet, Inner Waterway 11.8 feet, Anacortes Navigation Channel, 16.2 feet. Project Depth: No project for main harbor; Ca Sante Waterway, 12 feet Anacortes Navigation Channel, 18 feet. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	15,438	1993	13,124	1996	13,844	<b>1999</b>	<b>16,232</b>
1991	14,481	1994	12,950	1997	13,904		
1992	15,260	1995	13,110	1998	11,948		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
<b>Total, all commodities</b>	<b>3,762</b>	<b>2,046</b>	<b>791</b>	<b>818</b>	<b>106</b>
<b>Total petroleum and petroleum products</b>	<b>2,990</b>	<b>2,046</b>	<b>755</b>	<b>83</b>	<b>106</b>
<b>Subtotal crude petroleum</b>	<b>1,679</b>	<b>1,679</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	1,679	1,679	—	—	—
<b>Subtotal petroleum products</b>	<b>1,311</b>	<b>367</b>	<b>755</b>	<b>83</b>	<b>106</b>
2211 gasoline	83	29	32	13	8
2221 kerosene	98	68	—	4	26
2330 distillate fuel oil	213	130	28	51	4
2340 residual fuel oil	295	89	178	15	14
2350 lube oil & greases	52	52	—	—	—
2429 naphtha & solvents	523	—	517	—	7
2540 petroleum coke	48	—	—	—	48
<b>Total chemicals and related products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
<b>Subtotal other chemicals and related products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
3285 perfumes & cleansers	0	—	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>770</b>	<b>—</b>	<b>35</b>	<b>735</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>770</b>	<b>—</b>	<b>35</b>	<b>735</b>	<b>—</b>
4161 wood chips	2	—	—	2	—
4170 wood in the rough	768	—	35	733	—
<b>Total primary manufactured goods</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5240 glass & glass prod.	0	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	0	—	0	—	—
<b>Total food and farm products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
<b>Subtotal fish</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	—	0	—	—

ANACORTES HARBOR, WA  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
<b>Subtotal vegetable products</b>	<b>0</b>	—	<b>0</b>	—	—
6654 vegetables & prod.	0	—	0	—	—
<b>Subtotal other agricultural products</b>	<b>0</b>	—	<b>0</b>	—	—
6857 fruit & nuts nec	0	—	0	—	—
6889 food products nec	0	—	0	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
7110 machinery (not elec)	0	—	0	0	—
7120 electrical machinery	0	—	0	—	—
7210 vehicles & parts	0	—	0	—	—
7220 aircraft & parts	0	—	—	0	—
7230 ships & boats	0	—	—	0	0
7500 textile products	0	0	—	—	—
7900 manufac. prod. nec	0	—	0	—	—

Commodity	Total	Domestic			
		Coastwise	Internal	Receipts	Shipments
Receipts	Shipments	Receipts	Intraport		
<b>Total, all commodities</b>	<b>12,470</b>	<b>8,069</b>	<b>1,335</b>	<b>1,271</b>	<b>1,264</b>
<b>Total petroleum and petroleum products</b>	<b>12,376</b>	<b>8,069</b>	<b>1,335</b>	<b>1,211</b>	<b>1,231</b>
<b>Subtotal crude petroleum</b>	<b>7,709</b>	<b>7,605</b>	<b>104</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	7,709	7,605	104	—	—
<b>Subtotal petroleum products</b>	<b>4,667</b>	<b>464</b>	<b>1,231</b>	<b>1,211</b>	<b>1,231</b>
2211 gasoline	1,697	78	536	696	291
2330 distillate fuel oil	1,483	288	573	310	249
2340 residual fuel oil	1,382	9	118	199	685
2350 lube oil & greases	6	—	—	0	5
2429 naphtha & solvents	28	23	—	5	—
2430 asphalt, tar & pitch	71	67	4	—	—
<b>Total crude materials, inedible except fuels</b>	<b>92</b>	<b>—</b>	<b>—</b>	<b>59</b>	<b>33</b>
<b>Subtotal forest products, wood and chips</b>	<b>92</b>	<b>—</b>	<b>—</b>	<b>59</b>	<b>33</b>
4170 wood in the rough	92	—	—	59	33
4189 lumber	0	—	—	0	—
<b>Total primary manufactured goods</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
5290 misc. mineral prod.	0	—	—	0	—
<b>Total food and farm products</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>0</b>
<b>Subtotal fish</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>0</b>
6134 fish (not shellfish)	0	—	—	0	0
6136 shellfish	1	—	—	1	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>1</b>
7210 vehicles & parts	1	—	—	—	1
7230 ships & boats	0	—	—	0	—
7400 manufac. wood prod.	0	—	—	—	0

\*Includes 94 (x1000) tons of foreign inbound in-transits.

BELLINGHAM BAY AND HARBOR, WA

Section Included: Bellingham Bay and Chuckanut Bay from the wharf of the Olympic Portland Cement Company on the north to and including Chuckanut Inter-Island Ferry Slip on the south. Controlling Depth: Whatcom Creek Waterway, 8.9 to 25.8 feet; Squalicum Creek Waterway, 23.2 feet, from deep water to turning basin, 19.7 feet in turning basin, 11.8 feet from sta. 16 + 00 to 5 + 40; I & J St. Waterway, 11.0 ft. Project Depth: Whatcom Creek Waterway, 18 to 30 feet; Squalicum Creek Waterway, 26 feet over the entire waterway. I & J Street Waterway 18 feet over the entire waterway. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,303	1993	1,223	1996	1,419	1999	1,526
1991	1,482	1994	1,343	1997	1,555		
1992	1,383	1995	1,291	1998	1,244		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
<b>Total, all commodities</b>	<b>901</b>	<b>221</b>	<b>342</b>	<b>105</b>	<b>233</b>
<b>Total petroleum and petroleum products</b>	<b>451</b>	<b>119</b>	<b>85</b>	<b>18</b>	<b>229</b>
<b>Subtotal crude petroleum</b>	<b>84</b>	<b>84</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	84	84	—	—	—
<b>Subtotal petroleum products</b>	<b>367</b>	<b>34</b>	<b>85</b>	<b>18</b>	<b>229</b>
2211 gasoline	34	34	—	—	—
2221 kerosene	36	—	—	—	36
2330 distillate fuel oil	168	—	—	7	161
2340 residual fuel oil	23	—	13	7	2
2429 naphtha & solvents	101	—	71	—	30
2430 asphalt, tar & pitch	4	—	—	4	—
<b>Total chemicals and related products</b>	<b>148</b>	<b>0</b>	<b>131</b>	<b>17</b>	<b>0</b>
<b>Subtotal other chemicals and related products</b>	<b>148</b>	<b>0</b>	<b>131</b>	<b>17</b>	<b>0</b>
3211 acyclic hydrocarbons	76	—	76	—	—
3230 carboxylic acids	2	—	2	—	—
3260 organic comp. nec	0	—	0	—	—
3274 sodium hydroxide	0	—	—	—	0
3275 inorg. elem., oxides, & halogen salts	19	—	19	—	—
3276 metallic salts	0	0	—	—	0
3283 coloring mat. nec	0	—	0	—	—
3285 perfumes & cleansers	2	—	2	—	—
3286 plastics	0	—	0	—	—
3292 starches, gluten, glue	0	0	—	—	—
3298 wood & resin chem.	50	—	33	17	—
3299 chem. products nec	0	0	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>193</b>	<b>55</b>	<b>69</b>	<b>66</b>	<b>3</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4189 lumber	0	—	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>69</b>	<b>—</b>	<b>69</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	69	—	69	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>64</b>	<b>—</b>	<b>—</b>	<b>64</b>	<b>—</b>
4322 limestone	46	—	—	46	—
4323 gypsum	17	—	—	17	—
4331 sand & gravel	1	—	—	1	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>57</b>	<b>55</b>	<b>—</b>	<b>2</b>	<b>—</b>
4650 aluminum ore	57	55	—	2	—
<b>Subtotal other non-metal. min.</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>
4900 non-metal. min. nec	3	—	—	—	3
<b>Total primary manufactured goods</b>	<b>55</b>	<b>8</b>	<b>47</b>	<b>—</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5190 paper products nec	0	—	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
5240 glass & glass prod.	0	0	0	—	—
5290 misc. mineral prod.	0	0	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>—</b>	<b>—</b>
5330 i&s plates & sheets	8	8	—	—	—
5360 i&s bars & shapes	0	0	0	—	—
5370 i&s pipe & tube	0	0	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>47</b>	<b>0</b>	<b>47</b>	<b>—</b>	<b>—</b>
5422 aluminum	47	0	47	—	—
5480 fab. metal products	0	0	—	—	—
<b>Subtotal primary wood products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	0	0	—	—	—
<b>Total food and farm products</b>	<b>52</b>	<b>39</b>	<b>9</b>	<b>4</b>	<b>—</b>
<b>Subtotal fish</b>	<b>8</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>—</b>
6134 fish (not shellfish)	8	—	4	4	—
<b>Subtotal oilseeds</b>	<b>39</b>	<b>39</b>	<b>—</b>	<b>—</b>	<b>—</b>
6590 oilseeds nec	39	39	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
6747 grain mill products	0	0	—	—	—
<b>Subtotal other agricultural products</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>—</b>
6811 meat, fresh, frozen	0	—	—	—	—
6838 tallow, animal oils	5	—	5	—	—
6885 alcoholic beverages	0	0	—	—	—
6889 food products nec	0	0	0	—	—

BELLINGHAM BAY AND HARBOR, WA  
 Freight Traffic, 1999 - continued  
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
<b>Total all manufactured equipment, machinery and products</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>—</b>
7110 machinery (not elec)	0	0	—	—	—
7230 ships & boats	0	—	0	0	—
7400 manufac. wood prod.	0	0	—	—	—
7500 textile products	0	0	0	—	—
7600 rubber & plastic pr.	1	0	1	—	—
7900 manufac. prod. nec	0	0	0	—	—
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	0	0	—	—	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
<b>Total, all commodities</b>	<b>625</b>	<b>284</b>	<b>135</b>	<b>170</b>	<b>35</b>
<b>Total petroleum and petroleum products</b>	<b>20</b>	<b>—</b>	<b>9</b>	<b>10</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>20</b>	<b>—</b>	<b>9</b>	<b>10</b>	<b>—</b>
2211 gasoline	4	—	4	—	—
2330 distillate fuel oil	2	—	—	2	—
2340 residual fuel oil	15	—	6	9	—
<b>Total chemicals and related products</b>	<b>83</b>	<b>—</b>	<b>83</b>	<b>—</b>	<b>—</b>
<b>Subtotal other chemicals and related products</b>	<b>83</b>	<b>—</b>	<b>83</b>	<b>—</b>	<b>—</b>
3274 sodium hydroxide	19	—	19	—	—
3298 wood & resin chem.	64	—	64	—	—
<b>Total crude materials, inedible except fuels</b>	<b>499</b>	<b>283</b>	<b>39</b>	<b>145</b>	<b>32</b>
<b>Subtotal forest products, wood and chips</b>	<b>357</b>	<b>206</b>	<b>39</b>	<b>81</b>	<b>30</b>
4150 fuel wood	41	17	6	14	4
4161 wood chips	293	189	33	67	5
4170 wood in the rough	22	—	—	1	22
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>65</b>	<b>—</b>	<b>—</b>	<b>63</b>	<b>2</b>
4331 sand & gravel	64	—	—	63	1
4338 soil & fill dirt	1	—	—	—	1
<b>Subtotal other non-metal. min.</b>	<b>77</b>	<b>77</b>	<b>0</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	77	77	0	—	—
<b>Total primary manufactured goods</b>	<b>5</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>3</b>
<b>Subtotal paper products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
5190 paper products nec	0	—	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>
5290 misc. mineral prod.	3	—	—	—	3
<b>Subtotal primary non-ferrous metal products</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	2	—	2	—	—
<b>Total food and farm products</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>15</b>	<b>—</b>
<b>Subtotal fish</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>15</b>	<b>—</b>
6134 fish (not shellfish)	15	1	0	14	—
6136 shellfish	1	0	—	1	—
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>—</b>
7110 machinery (not elec)	1	0	1	—	—
7230 ships & boats	0	—	—	0	—
7900 manufac. prod. nec	0	—	0	—	—

\*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 41 (x1000) tons of foreign outbound in-transits.

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
BLAINE HARBOR, WA	No Commerce Reported	
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA	No Commerce Reported	
FLATHEAD LAKE, MT	No Commerce Reported	
HOQUIAM RIVER, WA	4170 wood in the rough	83
	<b>Total Tons(x1000)</b>	<b>83</b>
	<b>Total Ton-miles(x1000)</b>	<b>83</b>
KOOTENAI RIVER, ID AND MT	No Commerce Reported	
NEAH BAY, WA	4150 fuel wood 4161 wood chips 4170 wood in the rough 5290 misc. mineral prod. 6134 fish (not shellfish) 6136 shellfish	0 49 75 1 2 0
	<b>Total Tons(x1000)</b>	<b>127</b>
PORT GAMBLE HARBOR, WA	4161 wood chips 4170 wood in the rough	1 134
	<b>Total Tons(x1000)</b>	<b>135</b>
QUILLAYUTE RIVER, WA	6134 fish (not shellfish) 6136 shellfish	11 7
	<b>Total Tons(x1000)</b>	<b>18</b>
	<b>Total Ton-miles(x1000)</b>	<b>18</b>
SKAGIT RIVER, WA	4170 wood in the rough 6134 fish (not shellfish)	28 0
	<b>Total Tons(x1000)</b>	<b>28</b>
	<b>Total Ton-miles(x1000)</b>	<b>113</b>
STILLAGUAMISH RIVER, WA	No Commerce Reported	
SWINOMISH CHANNEL, WA	2430 asphalt, tar & pitch 4170 wood in the rough 4331 sand & gravel 6134 fish (not shellfish) 6136 shellfish	1 137 59 4 1
	<b>Total Tons(x1000)</b>	<b>201</b>
	<b>Total Ton-miles(x1000)</b>	<b>657</b>
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA	No Commerce Reported	
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA	6134 fish (not shellfish) 6136 shellfish	0 1
	<b>Total Tons(x1000)</b>	<b>1</b>
Non-project		
COEUR D ALENE LAKE AND ST. JOE RIVER, ID	4170 wood in the rough	529
	<b>Total Tons(x1000)</b>	<b>529</b>
	<b>Total Ton-miles(x1000)</b>	<b>9,543</b>
OTHER PUGET SOUND AREA PORTS, WA (NET)	2100 crude petroleum 2211 gasoline	12,858 3,316

## Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
OTHER PUGET SOUND AREA PORTS, WA (NET) - continued	2221 kerosene	4
	2330 distillate fuel oil	1,471
	2340 residual fuel oil	1,422
	2350 lube oil & greases	41
	2429 naphtha & solvents	155
	2430 asphalt, tar & pitch	50
	2990 petro. products nec	26
	3212 benzene & toluene	93
	3220 alcohols	5
	3230 carboxylic acids	0
	3250 organo - inorg. comp.	0
	3260 organic comp. nec	0
	3274 sodium hydroxide	14
	3275 inorg. elem., oxides, & halogen salts	0
	3276 metallic salts	1
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3293 explosives	0
	3297 chemical additives	10
	3298 wood & resin chem.	4
	3299 chem. products nec	0
	4150 fuel wood	0
	4161 wood chips	11
	4170 wood in the rough	1,343
	4189 lumber	0
	4190 forest products nec	0
	4225 pulp & waste paper	1
	4331 sand & gravel	3,007
	4335 waterway improv. mat	9
	4338 soil & fill dirt	2
	4650 aluminum ore	117
	4690 non-ferrous ores nec	6
	4782 clay & refrac. mat.	7
	4900 non-metal. min. nec	1
	5120 paper & paperboard	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5290 misc. mineral prod.	152
	5312 pig iron	1
	5330 i&s plates & sheets	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	3
	6134 fish (not shellfish)	4
	6136 shellfish	1
	6344 corn	0
	6654 vegetables & prod.	1
	6781 hay & fodder	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6838 tallow, animal oils	2
	6839 animals & prod. nec	0
	6857 fruit & nuts nec	1
	6858 fruit juices	0
	7110 machinery (not elec)	2
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	0
	9900 unknown or nec	0
	<b>Total Tons(x1000)</b>	<b>24,147</b>

KETCHIKAN HARBOR, AK

Section Included: Tongass Narrows from Point Higgins on the north to Mountain Point on the south and including Herring Bay on George Inlet.  
 Controlling Depth: Main Harbor, adequate; small boat basins, Ketchikan Creek, 10.0 feet; Bar Point, 15 feet. Project Depth: No project depth for Main Harbor; small boat basins, 10 and 15 feet. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,947	1993	1,564	1996	1,341	1999	1,400
1991	1,568	1994	1,759	1997	1,241		
1992	1,986	1995	1,821	1998	937		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Exports	Imports	Exports	Imports
<b>Total, all commodities</b>	<b>740</b>	<b>318</b>	<b>56</b>	<b>365</b>	
<b>Total petroleum and petroleum products</b>	<b>24</b>	—	<b>24</b>	—	
<b>Subtotal petroleum products</b>	<b>24</b>	—	<b>24</b>	—	
2211 gasoline	10	—	10	—	
2221 kerosene	2	—	2	—	
2330 distillate fuel oil	10	—	10	—	
2640 liquid natural gas	2	—	2	—	
<b>Total chemicals and related products</b>	<b>3</b>	<b>0</b>	<b>3</b>	—	
<b>Subtotal other chemicals and related products</b>	<b>3</b>	<b>0</b>	<b>3</b>	—	
3230 carboxylic acids	0	0	—	—	
3276 metallic salts	3	—	3	—	
3285 perfumes & cleansers	0	0	—	—	
3293 explosives	0	—	0	—	
<b>Total crude materials, inedible except fuels</b>	<b>682</b>	<b>317</b>	<b>25</b>	<b>340</b>	
<b>Subtotal forest products, wood and chips</b>	<b>657</b>	<b>317</b>	—	<b>340</b>	
4150 fuel wood	2	—	—	2	
4161 wood chips	118	2	—	116	
4170 wood in the rough	514	291	—	223	
4189 lumber	24	24	—	—	
<b>Subtotal pulp and waste paper</b>	<b>0</b>	<b>0</b>	—	—	
4225 pulp & waste paper	0	0	—	—	
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>18</b>	—	<b>18</b>	—	
4331 sand & gravel	18	—	18	—	
<b>Subtotal iron ore and scrap</b>	<b>0</b>	<b>0</b>	—	—	
4420 iron & steel scrap	0	0	—	—	
<b>Subtotal other non-metal. min.</b>	<b>7</b>	—	<b>7</b>	—	
4900 non-metal. min. nec	7	—	7	—	
<b>Total primary manufactured goods</b>	<b>4</b>	<b>0</b>	<b>4</b>	—	
<b>Subtotal lime, cement and glass</b>	<b>2</b>	—	<b>2</b>	—	
5210 lime	2	—	2	—	
<b>Subtotal primary non-ferrous metal products</b>	<b>2</b>	<b>0</b>	<b>2</b>	—	
5480 fab. metal products	2	0	2	—	
<b>Total food and farm products</b>	<b>26</b>	<b>1</b>	—	<b>25</b>	
<b>Subtotal fish</b>	<b>25</b>	<b>1</b>	—	<b>25</b>	
6134 fish (not shellfish)	25	1	—	25	
<b>Subtotal processed grain and animal feed</b>	<b>1</b>	<b>1</b>	—	<b>—</b>	
6782 animal feed, prep.	1	1	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	
7110 machinery (not elec)	0	0	0	0	
7230 ships & boats	0	—	0	0	
7500 textile products	0	—	—	0	
7900 manufac. prod. nec	0	—	0	—	
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	<b>0</b>	—	
9900 unknown or nec	0	0	0	—	

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total, all commodities</b>	<b>661</b>	<b>48</b>	<b>74</b>	<b>344</b>	<b>181</b>	<b>14</b>
<b>Total coal</b>	<b>1</b>	—	—	<b>1</b>	<b>0</b>	—
1100 coal lignite	1	—	—	1	0	—
<b>Total petroleum and petroleum products</b>	<b>242</b>	<b>47</b>	<b>9</b>	<b>55</b>	<b>118</b>	<b>14</b>
<b>Subtotal petroleum products</b>	<b>242</b>	<b>47</b>	<b>9</b>	<b>55</b>	<b>118</b>	<b>14</b>
2211 gasoline	91	21	4	22	41	4
2330 distillate fuel oil	149	26	5	31	77	10
2350 lube oil & greases	2	—	—	1	0	—
2540 petroleum coke	0	—	—	0	—	—
2640 liquid natural gas	0	—	—	—	0	—
2990 petro. products nec	1	—	—	1	0	—

KETCHIKAN HARBOR, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			Intraport
		Receipts	Shipments	Receipts	Shipments		
<b>Total chemicals and related products</b>	<b>5</b>	—	—	4	2	—	—
<b>Subtotal fertilizers</b>	<b>1</b>	—	—	1	—	—	—
3110 nitrogenous fert.	1	—	—	1	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>5</b>	—	—	3	2	—	—
3282 pigments & paints	0	—	—	0	—	—	—
3284 medicines	0	—	—	0	—	—	—
3293 explosives	0	—	—	0	0	—	—
3299 chem. products nec	4	—	—	3	1	—	—
<b>Total crude materials, inedible except fuels</b>	<b>287</b>	—	65	200	21	0	—
<b>Subtotal forest products, wood and chips</b>	<b>280</b>	—	61	199	20	0	—
4110 rubber & gums	0	—	—	0	0	—	—
4150 fuel wood	20	—	2	4	14	—	—
4161 wood chips	65	—	59	5	1	—	—
4170 wood in the rough	190	—	—	188	2	0	—
4189 lumber	5	—	—	2	3	—	—
4190 forest products nec	0	—	—	0	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>0</b>	—	—	0	0	—	—
4225 pulp & waste paper	0	—	—	0	0	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>1</b>	—	—	1	1	—	—
4331 sand & gravel	1	—	—	1	1	—	—
<b>Subtotal iron ore and scrap</b>	<b>4</b>	—	4	—	1	—	—
4420 iron & steel scrap	4	—	4	—	1	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>0</b>	—	—	0	—	—	—
4782 clay & refrac. mat.	0	—	—	0	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>1</b>	—	—	0	0	—	—
4900 non-metal. min. nec	1	—	—	0	0	—	—
<b>Total primary manufactured goods</b>	<b>14</b>	—	—	12	1	0	—
<b>Subtotal paper products</b>	<b>2</b>	—	—	2	0	—	—
5190 paper products nec	2	—	—	2	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>5</b>	—	—	5	0	—	—
5220 cement & concrete	3	—	—	3	0	—	—
5240 glass & glass prod.	2	—	—	2	0	—	—
5290 misc. mineral prod.	0	—	—	0	0	—	—
<b>Subtotal primary iron and steel products</b>	<b>1</b>	—	—	0	1	—	—
5370 i&s pipe & tube	1	—	—	0	1	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>6</b>	—	—	5	1	0	—
5480 fab. metal products	6	—	—	5	1	0	—
<b>Total food and farm products</b>	<b>43</b>	1	0	29	13	—	—
<b>Subtotal fish</b>	<b>7</b>	1	0	0	5	—	—
6134 fish (not shellfish)	6	—	0	0	5	—	—
6136 shellfish	1	1	—	0	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	—	—	0	—	—	—
6654 vegetables & prod.	0	—	—	0	—	—	—
<b>Subtotal other agricultural products</b>	<b>36</b>	—	—	28	8	—	—
6811 meat, fresh, frozen	0	—	—	0	—	—	—
6835 fish, prepared	5	—	—	—	5	—	—
6858 fruit juices	0	—	—	0	—	—	—
6885 alcoholic beverages	3	—	—	3	—	—	—
6887 groceries	5	—	—	5	0	—	—
6889 food products nec	22	—	—	20	2	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>70</b>	0	0	44	26	0	—
7110 machinery (not elec)	13	—	—	5	8	—	—
7120 electrical machinery	1	—	—	1	0	—	—
7210 vehicles & parts	3	—	—	2	1	—	—
7230 ships & boats	0	—	—	0	0	—	—
7400 manufac. wood prod.	6	—	—	4	3	—	—
7500 textile products	0	—	—	0	0	—	—
7600 rubber & plastic pr.	1	—	—	1	0	—	—
7900 manufac. prod. nec	45	0	0	31	14	0	—

## WRANGELL NARROWS, AK

Section Included: Entire 24 mile long waterway. Controlling Depth: 26 feet in the anchorage basin and 24 feet in the authorized channel with exception of the area near Colorado Reef where a depth of 21.6 feet exists. Project Depth: 27 feet through Petersburg Bar; 26 feet in anchorage basin, vicinity of mile 14; all other, 24 feet. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	858	1993	569	1996	473	1999	404
1991	714	1994	547	1997	496		
1992	718	1995	544	1998	432		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise		Internal				Through	
		Upbound	Downbnd	Inbound	Upbound	Outbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>404</b>	<b>20</b>	<b>3</b>	<b>40</b>	<b>7</b>	<b>1</b>	<b>11</b>	<b>254</b>	<b>67</b>
<b>Total petroleum and petroleum products</b>	<b>120</b>	<b>8</b>	<b>1</b>	<b>17</b>	<b>6</b>	<b>—</b>	<b>0</b>	<b>86</b>	<b>2</b>
Subtotal petroleum products	120	8	1	17	6	—	0	86	2
2211 gasoline	42	4	0	6	2	—	0	29	1
2330 distillate fuel oil	75	4	1	10	4	—	—	54	1
2350 lube oil & greases	3	—	—	0	—	—	—	3	0
2540 petroleum coke	0	—	—	—	—	—	—	0	—
2990 petro. products nec	1	—	—	0	—	—	—	1	0
<b>Total chemicals and related products</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>6</b>	<b>0</b>
Subtotal fertilizers	1	—	—	—	—	—	—	1	—
3110 nitrogenous fert.	1	—	—	—	—	—	—	1	—
Subtotal other chemicals and related products	6	0	0	0	—	—	—	5	0
3276 metallic salts	2	—	—	—	—	—	—	2	—
3282 pigments & paints	1	0	—	0	—	—	—	1	—
3286 plastics	0	—	—	0	—	—	—	0	—
3293 explosives	0	—	—	0	—	—	—	0	0
3299 chem. products nec	2	0	0	—	—	—	—	2	0
<b>Total crude materials, inedible except fuels</b>	<b>50</b>	<b>1</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>37</b>
Subtotal forest products, wood and chips	32	0	—	0	0	—	—	10	22
4170 wood in the rough	22	—	—	—	0	—	—	—	22
4189 lumber	10	0	—	0	—	—	—	9	0
4190 forest products nec	1	—	—	—	—	—	—	1	—
Subtotal soil, sand, gravel, rock and stone	1	—	—	—	—	—	—	1	—
4322 limestone	0	—	—	—	—	—	—	0	—
4331 sand & gravel	1	—	—	—	—	—	—	1	—
Subtotal iron ore and scrap	15	0	—	—	—	—	—	—	15
4420 iron & steel scrap	15	0	—	—	—	—	—	—	15
Subtotal other non-metal. min.	2	0	—	0	—	—	—	2	0
4900 non-metal. min. nec	2	0	—	0	—	—	—	2	0
<b>Total primary manufactured goods</b>	<b>33</b>	<b>2</b>	<b>—</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>0</b>
Subtotal paper products	2	0	—	1	—	—	—	1	0
5190 paper products nec	2	0	—	1	—	—	—	1	0

WRANGELL NARROWS, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Domestic									
		Coastwise		Internal							
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Subtotal lime, cement and glass</b>	11	0	—	1	—	—	—	0	10	0	—
5210 lime	1	—	—	—	—	—	—	—	1	—	—
5220 cement & concrete	5	—	—	0	—	—	—	—	5	—	—
5240 glass & glass prod.	0	0	—	—	—	—	—	—	0	—	—
5290 misc. mineral prod.	5	—	—	0	—	—	—	0	5	0	—
<b>Subtotal primary iron and steel products</b>	1	0	—	—	—	—	—	—	1	—	—
5370 i&s pipe & tube	1	0	—	—	—	—	—	—	1	—	—
<b>Subtotal primary non-ferrous metal products</b>	18	2	—	3	0	0	0	0	13	0	—
5480 fab. metal products	18	2	—	3	0	0	0	0	13	0	—
<b>Total food and farm products</b>	63	1	1	3	0	—	8	35	14	—	—
<b>Subtotal fish</b>	9	—	1	—	—	—	1	0	6	—	—
6134 fish (not shellfish)	8	—	0	—	—	—	1	0	6	—	—
6136 shellfish	1	—	1	—	—	—	—	—	—	—	—
<b>Subtotal vegetable products</b>	0	—	—	0	—	—	—	—	0	—	—
6654 vegetables & prod.	0	—	—	0	—	—	—	—	0	—	—
<b>Subtotal processed grain and animal feed</b>	0	—	—	—	—	—	—	—	0	—	—
6782 animal feed, prep.	0	—	—	—	—	—	—	—	0	—	—
<b>Subtotal other agricultural products</b>	54	1	—	3	0	—	7	34	8	—	—
6811 meat, fresh, frozen	0	—	—	0	—	—	—	—	0	—	—
6835 fish, prepared	10	—	—	—	—	—	7	—	3	—	—
6858 fruit juices	0	—	—	0	—	—	—	—	0	—	—
6885 alcoholic beverages	12	0	—	1	0	—	—	—	6	5	—
6887 groceries	21	0	—	1	0	—	—	—	19	0	—
6889 food products nec	10	0	—	1	0	—	—	—	9	0	—
<b>Total all manufactured equipment, machinery and products</b>	130	9	1	14	1	1	2	88	14	—	—
7110 machinery (not elec)	7	0	—	0	0	0	0	4	1	—	—
7120 electrical machinery	7	0	—	1	—	—	—	6	0	—	—
7210 vehicles & parts	5	0	0	1	—	—	0	4	0	—	—
7230 ships & boats	0	—	—	0	0	0	0	0	0	—	—
7400 manufac. wood prod.	8	0	—	1	—	—	—	7	0	—	—
7500 textile products	1	—	—	—	—	—	—	1	0	—	—
7600 rubber & plastic pr.	3	1	—	1	—	—	—	1	—	—	—
7900 manufac. prod. nec	101	7	1	11	0	1	2	67	12	—	—
<b>Ton-miles (x1000)</b>	<b>9,682</b>	<b>336</b>	<b>79</b>	<b>985</b>	<b>14</b>	<b>6</b>	<b>230</b>	<b>6,345</b>	<b>1,686</b>	—	—
<b>Tons All Traffic (x1000)</b>				<b>404</b>							
<b>Ton-miles All Traffic (x1000)</b>				<b>9,686</b>							

JUNEAU HARBOR, AK

Section Included: The northside of Gastineau Channel including Theaurora Basin small boat harbor. The city dock facility has a 200 foot sea plane and medium draft dock and a 500 foot commercial dock with a 40 foot depth. Three area small boat harbors accomodate 2,700 small boats and have water depths of 12 & 14 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	157	1993	193	1996	465	1999	527
1991	179	1994	222	1997	583		
1992	163	1995	192	1998	320		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal	
		Exports	Imports	Exports	Coastwise		Receipts	Shipments	Inbound	Outbound
					Total	Coastwise			Upbound	Downbnd
<b>Total, all commodities</b>	<b>527</b>	<b>161</b>	<b>6</b>	<b>205</b>	<b>154</b>	<b>28</b>	<b>2</b>	<b>99</b>	<b>25</b>	
<b>Total petroleum and petroleum products</b>	<b>63</b>	—	—	—	<b>63</b>	<b>27</b>	<b>2</b>	<b>30</b>	<b>4</b>	
Subtotal petroleum products	63	—	—	—	63	27	2	30	4	
2211 gasoline	30	—	—	—	30	15	1	14	1	
2330 distillate fuel oil	32	—	—	—	32	12	1	16	3	
2350 lube oil & greases	1	—	—	—	1	0	0	1	0	
2540 petroleum coke	0	—	—	—	0	—	—	0	—	
2990 petro. products nec	1	—	—	—	1	0	—	1	0	
<b>Total chemicals and related products</b>	<b>3</b>	<b>0</b>	—	—	<b>3</b>	—	<b>0</b>	<b>2</b>	<b>0</b>	
Subtotal other chemicals and related products	3	0	—	—	3	—	0	2	0	
3276 metallic salts	2	—	—	—	2	—	—	2	—	
3282 pigments & paints	1	—	—	—	1	—	—	1	—	
3286 plastics	0	0	—	—	0	—	—	0	—	
3293 explosives	0	—	—	—	0	—	—	0	0	
3299 chem. products nec	0	—	—	—	0	—	0	0	0	
<b>Total crude materials, inedible except fuels</b>	<b>379</b>	<b>161</b>	<b>6</b>	<b>205</b>	<b>7</b>	<b>0</b>	<b>—</b>	<b>7</b>	<b>0</b>	
Subtotal forest products, wood and chips	146	140	—	—	6	0	—	6	0	
4170 wood in the rough	140	140	—	—	—	—	—	—	—	
4189 lumber	6	—	—	—	6	0	—	6	0	
4190 forest products nec	0	—	—	—	0	0	—	0	—	
Subtotal soil, sand, gravel, rock and stone	7	—	<b>6</b>	—	1	—	—	1	—	
4331 sand & gravel	7	—	6	—	1	—	—	1	—	
Subtotal iron ore and scrap	0	—	—	—	0	—	—	—	0	
4420 iron & steel scrap	0	—	—	—	0	—	—	—	0	
Subtotal non-ferrous ores and scrap	227	<b>21</b>	—	<b>205</b>	—	—	—	—	—	
4690 non-ferrous ores nec	227	21	—	205	—	—	—	—	—	
Subtotal other non-metal. min.	0	—	—	—	0	—	—	0	0	
4900 non-metal. min. nec	0	—	—	—	0	—	—	0	0	
<b>Total primary manufactured goods</b>	<b>8</b>	—	—	—	<b>8</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	
Subtotal paper products	0	—	—	—	0	—	—	0	0	
5190 paper products nec	0	—	—	—	0	—	—	0	0	

JUNEAU HARBOR, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Exports	Imports	Exports	Coastwise		Internal		Inbound Upbound	Outbound Downbnd
					Total	Receipts	Shipments	Inbound		
<b>Subtotal lime, cement and glass</b>	4	—	—	—	4	0	0	4	4	0
5220 cement & concrete	1	—	—	—	1	0	—	1	—	—
5240 glass & glass prod.	0	—	—	—	0	—	—	0	—	—
5290 misc. mineral prod.	4	—	—	—	4	0	0	4	0	0
<b>Subtotal primary non-ferrous metal products</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>
5480 fab. metal products	3	—	—	—	3	0	0	3	3	0
<b>Total food and farm products</b>	<b>29</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>7</b>	
<b>Subtotal fish</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>1</b>	
6134 fish (not shellfish)	1	0	—	—	1	0	—	0	1	
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	
6782 animal feed, prep.	0	—	—	—	0	—	—	0	—	
<b>Subtotal other agricultural products</b>	<b>28</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>6</b>	
6835 fish, prepared	0	—	—	—	0	—	—	—	0	
6885 alcoholic beverages	11	—	—	—	11	0	0	5	5	
6887 groceries	12	—	—	—	12	0	0	11	1	
6889 food products nec	5	—	—	—	5	—	—	5	0	
<b>Total all manufactured equipment, machinery and products</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>13</b>	
7110 machinery (not elec)	3	0	—	—	3	—	0	1	1	
7120 electrical machinery	4	—	—	—	4	—	—	4	0	
7210 vehicles & parts	2	—	—	—	2	0	0	2	0	
7230 ships & boats	0	—	0	—	0	0	0	0	0	
7400 manufac. wood prod.	3	—	—	—	3	0	—	3	0	
7500 textile products	0	—	—	—	0	—	—	0	—	
7600 rubber & plastic pr.	0	—	—	—	0	—	—	0	0	
7900 manufac. prod. nec	31	—	—	—	31	0	0	20	11	

VALDEZ HARBOR, AK

Section Included: Entire waterfront from Point of Land west of Ferry Terminal easterly to Alaska Hydrotrain Dock. Eastern part of Port Valdez from the Ferry Terminal on the north to the Trans-Alaska Pipeline Terminal on the south. Controlling Depth: 12 feet in the small basin. Project Depth: 12 feet, except 20 feet at Ferry Terminal, 50 feet off the City Dock, 75 feet off the Valdez Dock, and 0.0 at Sontag & Alaska Hydrotrain Facilities. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	95,953	1993	85,722	1996	77,116	<b>1999</b>	<b>53,392</b>
1991	99,616	1994	85,096	1997	73,647		
1992	93,737	1995	80,955	1998	61,946		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			Internal Shipments
		Exports	Imports	Total	Coastwise Receipts	Shipments	
<b>Total, all commodities</b>	<b>53,391</b>	<b>3,992</b>	<b>6</b>	<b>49,394</b>	<b>23</b>	<b>49,358</b>	<b>12</b>
<b>Total petroleum and petroleum products</b>	<b>53,391</b>	<b>3,992</b>	<b>6</b>	<b>49,394</b>	<b>23</b>	<b>49,358</b>	<b>12</b>
<b>Subtotal crude petroleum</b>	<b>53,118</b>	<b>3,992</b>	<b>—</b>	<b>49,126</b>	<b>—</b>	<b>49,126</b>	<b>—</b>
2100 crude petroleum	53,118	3,992	—	49,126	—	49,126	—
<b>Subtotal petroleum products</b>	<b>273</b>	<b>—</b>	<b>6</b>	<b>268</b>	<b>23</b>	<b>232</b>	<b>12</b>
2211 gasoline	156	—	—	156	11	144	2
2330 distillate fuel oil	117	—	6	111	13	89	10
<b>Total crude materials, inedible except fuels</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
4189 lumber	0	—	—	0	—	—	0
<b>Total food and farm products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6746 wheat flour	0	0	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
7110 machinery (not elec)	0	—	—	0	—	—	0
7120 electrical machinery	0	0	—	—	—	—	—
7900 manufac. prod. nec	0	0	—	—	—	—	—

SEWARD HARBOR, AK

Section Included: Alaska Railroad Dock, the Seward Boat Basin including the City Dock, and the Dry Bulk Terminal. Controlling Depth: 35 feet below mllw at the Railroad Dock; 15 feet in the 200 foot entrance channel to the boat basin and at the City Dock; 12.5 feet in the boat mooring area. The Dry Bulk Terminal has controlling depth of 58 feet mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	846	1993	862	1996	877	<b>1999</b>	<b>614</b>
1991	1,181	1994	961	1997	842		
1992	686	1995	928	1998	380		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic			
		Exports	Total	Coastwise Receipts	Shipments	
<b>Total, all commodities</b>	<b>614</b>	<b>546</b>	<b>68</b>	<b>49</b>	<b>19</b>	
<b>Total coal</b>		<b>546</b>	<b>546</b>	<b>—</b>	<b>—</b>	
1100 coal lignite		546	546	—	—	—
<b>Total petroleum and petroleum products</b>		<b>58</b>	<b>—</b>	<b>58</b>	<b>41</b>	<b>17</b>
<b>Subtotal petroleum products</b>		<b>58</b>	<b>—</b>	<b>58</b>	<b>41</b>	<b>17</b>
2211 gasoline		8	—	8	—	8
2330 distillate fuel oil		9	—	9	—	9
2350 lube oil & greases		0	—	0	0	—
2430 asphalt, tar & pitch		41	—	41	41	—
2640 liquid natural gas		0	—	0	0	0
2990 petro. products nec		0	—	0	0	—
<b>Total crude materials, inedible except fuels</b>		<b>3</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>		<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>
4189 lumber		1	—	1	1	—
<b>Subtotal soil, sand, gravel, rock and stone</b>		<b>2</b>	<b>—</b>	<b>2</b>	<b>2</b>	<b>—</b>
4323 gypsum		0	—	0	0	—

SEWARD HARBOR, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign	Domestic		
		Exports	Total	Coastwise	
			Receipts	Shipments	
4331 sand & gravel	0	—	0	0	—
4338 soil & fill dirt	2	—	2	2	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—
4900 non-metal. min. nec	0	—	0	0	—
<b>Total primary manufactured goods</b>	<b>2</b>	—	<b>2</b>	<b>2</b>	<b>0</b>
<b>Subtotal lime, cement and glass</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>0</b>
5220 cement & concrete	0	—	0	0	—
5240 glass & glass prod.	0	—	0	0	—
5290 misc. mineral prod.	1	—	1	1	0
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—
5480 fab. metal products	0	—	0	0	—
<b>Subtotal primary wood products</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>0</b>
5540 primary wood prod.	1	—	1	1	—
<b>Total food and farm products</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>0</b>
<b>Subtotal fish</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>0</b>
6134 fish (not shellfish)	0	—	0	—	0
6136 shellfish	1	—	1	1	—
<b>Subtotal processed grain and animal feed</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—
6746 wheat flour	0	—	0	0	—
<b>Subtotal other agricultural products</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—
6887 groceries	0	—	0	0	—
<b>Total all manufactured equipment, machinery and products</b>	<b>4</b>	—	<b>4</b>	<b>2</b>	<b>2</b>
7110 machinery (not elec)	2	—	2	0	2
7210 vehicles & parts	0	—	0	0	—
7230 ships & boats	0	—	0	0	0
7400 manufac. wood prod.	1	—	1	1	—
7900 manufac. prod. nec	1	—	1	1	—

HOMER, AK

Section Included: The northside of Kachemak Bay including the entire Homer Spit and small boat harbor. The commercial dock facility provides 300 feet of dock space with water depth ranging from 20 to 40 feet. The 750 boat small boat harbor has a depth ranging from 20 feet to 15 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	119	1993	472	1996	397	<b>1999</b>	<b>271</b>
1991	82	1994	377	1997	302		
1992	287	1995	501	1998	338		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			Internal	
		Exports	Exports	Total	Coastwise		Receipts	Shipments
				Receipts	Shipments			
<b>Total, all commodities</b>	<b>271</b>	<b>217</b>	<b>19</b>	<b>35</b>	<b>5</b>	<b>8</b>	<b>21</b>	<b>1</b>
<b>Total petroleum and petroleum products</b>	<b>25</b>	—	—	<b>25</b>	<b>5</b>	<b>0</b>	<b>20</b>	<b>0</b>
<b>Subtotal petroleum products</b>	<b>25</b>	—	—	<b>25</b>	<b>5</b>	<b>0</b>	<b>20</b>	<b>0</b>
2211 gasoline	14	—	—	14	3	—	11	—
2330 distillate fuel oil	12	—	—	12	2	0	9	0
2640 liquid natural gas	0	—	—	0	—	—	—	0
<b>Total chemicals and related products</b>	<b>93</b>	<b>93</b>	—	<b>0</b>	—	—	<b>0</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>81</b>	<b>81</b>	—	—	—	—	—	—
3110 nitrogenous fert.	81	81	—	—	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>12</b>	<b>11</b>	—	<b>0</b>	—	—	<b>0</b>	<b>0</b>
3273 ammonia	11	11	—	—	—	—	—	—
3299 chem. products nec	0	—	—	0	—	—	0	0
<b>Total crude materials, inedible except fuels</b>	<b>150</b>	<b>123</b>	<b>19</b>	<b>7</b>	—	<b>7</b>	<b>0</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>149</b>	<b>123</b>	<b>19</b>	<b>7</b>	—	<b>7</b>	<b>0</b>	<b>0</b>
4150 fuel wood	97	97	—	—	—	—	—	—
4161 wood chips	22	15	—	7	—	7	—	—
4170 wood in the rough	30	11	19	0	—	0	—	0
4189 lumber	0	—	—	0	—	0	0	0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	—	—	<b>0</b>	—	—	—	<b>0</b>
4331 sand & gravel	0	—	—	0	—	—	—	0

HOMER, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Exports	Exports	Total	Coastwise	Internal			
					Receipts	Shipments	Receipts	Shipments	
<b>Total primary manufactured goods</b>	0	—	—	0	0	0	0	0	0
<b>Subtotal lime, cement and glass</b>	0	—	—	0	0	0	0	0	0
5220 cement & concrete	0	—	—	0	—	—	0	0	0
5240 glass & glass prod.	0	—	—	0	0	—	0	0	0
5290 misc. mineral prod.	0	—	—	0	—	0	—	0	0
<b>Subtotal primary non-ferrous metal products</b>	0	—	—	0	—	0	—	0	0
5480 fab. metal products	0	—	—	0	—	0	—	0	0
<b>Total food and farm products</b>	1	1	—	0	—	—	—	—	0
<b>Subtotal fish</b>	1	1	—	0	—	—	—	—	0
6134 fish (not shellfish)	1	1	—	0	—	—	—	—	0
<b>Subtotal other agricultural products</b>	0	—	—	0	—	—	—	—	0
6887 groceries	0	—	—	0	—	—	—	—	0
<b>Total all manufactured equipment, machinery and products</b>	2	—	—	2	0	1	0	0	0
7110 machinery (not elec)	1	—	—	1	0	1	0	0	0
7120 electrical machinery	0	—	—	0	—	—	0	0	0
7210 vehicles & parts	0	—	—	0	0	0	0	0	0
7230 ships & boats	0	—	—	0	—	—	0	0	0
7400 manufac. wood prod.	0	—	—	0	—	0	—	0	0
7600 rubber & plastic pr.	0	—	—	0	—	—	—	—	0
7900 manufac. prod. nec	0	—	—	0	0	—	0	0	0

ANCHORAGE, AK

Section Included: Knik Arm from the Municipal Terminal on the north to and including terminal facilities on Ship Creek. Controlling Depth: 35 feet off the face of the City Dock; the approach channel north of Fire Island, to Point Woronzof, 28.5 feet. Project Depth: 35 feet. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,706	1993	2,470	1996	3,401	1999	3,701
1991	2,309	1994	2,559	1997	3,424		
1992	2,540	1995	3,222	1998	3,589		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Coastwise	Internal	Shipments
						Receipts	Shipments		
<b>Total, all commodities</b>	3,701	613	1,104	82	7	1,895	1,555	324	17
<b>Total coal</b>	72	—	72	—	—	—	—	—	—
1100 coal lignite	72	—	72	—	—	—	—	—	—
<b>Total petroleum and petroleum products</b>	1,290	509	394	15	—	371	166	189	17
<b>Subtotal crude petroleum</b>	215	215	—	—	—	—	—	—	—
2100 crude petroleum	215	215	—	—	—	—	—	—	—
<b>Subtotal petroleum products</b>	1,075	294	394	15	—	371	166	189	17
2211 gasoline	235	—	—	—	—	235	147	78	9
2221 kerosene	278	278	—	—	—	—	—	—	—
2330 distillate fuel oil	103	16	—	—	—	86	7	72	7
2340 residual fuel oil	88	—	86	—	—	2	—	2	—
2350 lube oil & greases	12	—	—	—	—	12	12	0	—
2429 naphtha & solvents	178	—	142	—	—	36	—	36	—
2430 asphalt, tar & pitch	1	—	—	1	—	—	—	—	—
2640 liquid natural gas	180	—	166	15	—	—	—	—	—
2990 petro. products nec	0	—	—	—	—	0	0	0	—

ANCHORAGE, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Coastwise	Internal	
						Receipts	Shipments	Shipments	
<b>Total chemicals and related products</b>	<b>353</b>	<b>0</b>	<b>292</b>	<b>26</b>	<b>—</b>	<b>35</b>	<b>28</b>	<b>7</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>196</b>	<b>—</b>	<b>191</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	191	—	191	0	—	—	—	—	—
3120 phosphatic fert.	1	—	—	1	—	—	—	—	—
3130 potassic fert.	4	—	—	4	—	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>156</b>	<b>0</b>	<b>101</b>	<b>21</b>	<b>—</b>	<b>35</b>	<b>28</b>	<b>7</b>	<b>—</b>
3220 alcohols	29	—	—	16	—	13	13	—	—
3230 carboxylic acids	0	0	—	—	—	—	—	—	—
3260 organic comp. nec	0	0	—	0	—	—	—	—	—
3273 ammonia	101	—	101	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	1	—	—	—	—	1	1	0	—
3276 metallic salts	0	0	—	—	—	—	—	—	—
3286 plastics	5	0	—	4	—	0	0	0	—
3298 wood & resin chem.	0	—	0	—	—	—	—	—	—
3299 chem. products nec	21	—	—	—	—	21	14	7	—
<b>Total crude materials, inedible except fuels</b>	<b>337</b>	<b>—</b>	<b>271</b>	<b>20</b>	<b>7</b>	<b>40</b>	<b>36</b>	<b>3</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>190</b>	<b>—</b>	<b>137</b>	<b>9</b>	<b>7</b>	<b>37</b>	<b>36</b>	<b>1</b>	<b>—</b>
4150 fuel wood	20	—	20	—	—	—	—	—	—
4170 wood in the rough	125	—	117	0	7	—	—	—	—
4189 lumber	45	—	0	8	—	36	36	1	—
4190 forest products nec	1	—	—	—	—	1	1	0	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>
4331 sand & gravel	0	—	—	—	—	0	0	0	—
<b>Subtotal iron ore and scrap</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>—</b>
4420 iron & steel scrap	3	—	—	—	—	3	—	3	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	—	0	—	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>133</b>	<b>—</b>	<b>133</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4690 non-ferrous ores nec	133	—	133	—	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>11</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	11	—	—	11	—	0	0	—	—
<b>Total primary manufactured goods</b>	<b>222</b>	<b>102</b>	<b>1</b>	<b>19</b>	<b>—</b>	<b>100</b>	<b>94</b>	<b>6</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>—</b>
5110 newsprint	0	—	0	—	—	—	—	—	—
5120 paper & paperboard	0	—	—	—	—	0	0	—	—
5190 paper products nec	14	0	—	—	—	14	14	0	—
<b>Subtotal lime, cement and glass</b>	<b>140</b>	<b>102</b>	<b>0</b>	<b>5</b>	<b>—</b>	<b>34</b>	<b>33</b>	<b>1</b>	<b>—</b>
5210 lime	5	—	—	5	—	—	—	—	—
5220 cement & concrete	103	102	—	—	—	1	1	0	—
5240 glass & glass prod.	0	—	—	—	—	0	0	—	—
5290 misc. mineral prod.	32	—	0	—	—	32	31	1	—

ANCHORAGE, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Shipments
		Imports	Exports	Imports	Exports	Total	Coastwise Receipts	Shipments	
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
5330 i&s plates & sheets	1	—	1	—	—	—	—	—	—
5370 i&s pipe & tube	1	1	—	—	—	0	0	—	—
5390 primary i&s nec	1	—	—	1	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>52</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>52</b>	<b>48</b>	<b>5</b>	<b>—</b>
5429 smelted prod. nec	0	0	—	—	—	—	—	—	—
5480 fab. metal products	52	0	—	0	—	52	48	5	—
<b>Subtotal primary wood products</b>	<b>14</b>	<b>—</b>	<b>0</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	14	—	0	14	—	—	—	—	—
<b>Total food and farm products</b>	<b>460</b>	<b>0</b>	<b>73</b>	<b>3</b>	<b>—</b>	<b>384</b>	<b>363</b>	<b>21</b>	<b>—</b>
<b>Subtotal fish</b>	<b>79</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>—</b>	<b>18</b>	<b>1</b>	<b>17</b>	<b>—</b>
6134 fish (not shellfish)	76	—	58	0	—	18	1	17	—
6136 shellfish	3	0	3	—	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	0	—	0	—	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>10</b>	<b>—</b>	<b>7</b>	<b>2</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
6746 wheat flour	2	—	—	2	—	—	—	—	—
6781 hay & fodder	0	—	—	0	—	—	—	—	—
6782 animal feed, prep.	8	—	7	0	—	0	0	—	—
<b>Subtotal other agricultural products</b>	<b>371</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>366</b>	<b>362</b>	<b>3</b>	<b>—</b>
6811 meat, fresh, frozen	1	—	1	—	—	—	—	—	—
6835 fish, prepared	4	—	1	—	—	3	—	3	—
6838 tallow, animal oils	0	—	0	—	—	—	—	—	—
6839 animals & prod. nec	9	—	1	—	—	9	9	0	—
6885 alcoholic beverages	0	—	—	—	—	0	—	0	—
6887 groceries	354	—	—	—	—	354	354	0	—
6889 food products nec	2	—	2	—	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>945</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>944</b>	<b>851</b>	<b>93</b>	<b>0</b>
7110 machinery (not elec)	2	0	0	0	—	2	1	1	0
7120 electrical machinery	1	1	—	—	—	—	—	—	—
7210 vehicles & parts	73	—	0	—	—	73	50	23	0
7230 ships & boats	0	—	—	—	—	0	0	0	—
7400 manufac. wood prod.	32	—	—	0	—	32	31	1	—
7500 textile products	0	0	—	—	—	—	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—	—	—	—	—
7900 manufac. prod. nec	837	0	0	—	—	837	769	68	—
<b>Total unknown or not elsewhere classified</b>	<b>22</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>22</b>	<b>17</b>	<b>5</b>	<b>—</b>
9900 unknown or nec	22	—	0	0	—	22	17	5	—

KODIAK HARBOR, AK

Section Included: Channel 200 feet wide between Near Island and Kodiak Island to the King Crab, Inc. Dock in St. Paul Harbor including the boat basin. Controlling Depth: about 25 feet in the channel and 12 feet in the boat basin; 30 feet in St. Paul Harbor.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	443	1993	525	1996	766	1999	299
1991	571	1994	569	1997	853		
1992	490	1995	696	1998	207		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic			Internal Intraport
		Exports	Total	Coastwise Receipts	Shipments	
<b>Total, all commodities</b>	<b>299</b>	<b>20</b>	<b>279</b>	<b>166</b>	<b>109</b>	<b>4</b>
<b>Total petroleum and petroleum products</b>	<b>140</b>	—	<b>140</b>	<b>126</b>	<b>10</b>	<b>4</b>
<b>Subtotal petroleum products</b>	<b>140</b>	—	<b>140</b>	<b>126</b>	<b>10</b>	<b>4</b>
2211 gasoline	51	—	51	47	3	2
2330 distillate fuel oil	77	—	77	68	7	3
2340 residual fuel oil	11	—	11	11	—	—
2640 liquid natural gas	0	—	0	—	0	—
<b>Total chemicals and related products</b>	<b>1</b>	—	<b>1</b>	<b>0</b>	<b>1</b>	—
<b>Subtotal other chemicals and related products</b>	<b>1</b>	—	<b>1</b>	<b>0</b>	<b>1</b>	—
3299 chem. products nec	1	—	1	0	1	—
<b>Total crude materials, inedible except fuels</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—	—
4900 non-metal. min. nec	0	—	0	0	—	—
<b>Total primary manufactured goods</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>0</b>	—
<b>Subtotal paper products</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—	—
5190 paper products nec	0	—	0	0	—	—
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>	—
5220 cement & concrete	0	—	0	—	0	—
5240 glass & glass prod.	0	—	0	0	0	—
<b>Subtotal primary non-ferrous metal products</b>	<b>1</b>	—	<b>1</b>	<b>1</b>	<b>0</b>	—
5480 fab. metal products	1	—	1	1	0	—
<b>Total food and farm products</b>	<b>28</b>	<b>20</b>	<b>9</b>	<b>2</b>	<b>7</b>	—
<b>Subtotal fish</b>	<b>23</b>	<b>16</b>	<b>7</b>	<b>1</b>	<b>6</b>	—
6134 fish (not shellfish)	23	16	7	1	6	—
6136 shellfish	0	0	—	—	—	—
<b>Subtotal vegetable products</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	—	—
6654 vegetables & prod.	0	—	0	0	—	—
<b>Subtotal processed grain and animal feed</b>	<b>3</b>	<b>3</b>	—	—	—	—
6782 animal feed, prep.	3	3	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	—
6811 meat, fresh, frozen	0	—	0	0	—	—
6835 fish, prepared	0	0	—	—	—	—
6839 animals & prod. nec	2	1	2	1	0	—
6858 fruit juices	0	—	0	0	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>127</b>	—	<b>127</b>	<b>37</b>	<b>90</b>	—
7110 machinery (not elec)	0	—	0	0	—	—
7210 vehicles & parts	0	—	0	0	0	—
7230 ships & boats	0	—	0	—	0	—
7900 manufac. prod. nec	127	—	127	37	90	—
<b>Total unknown or not elsewhere classified</b>	<b>1</b>	—	<b>1</b>	<b>0</b>	<b>1</b>	—
9900 unknown or nec	1	—	1	0	1	—

## UNALASKA BAY AND ISLAND, AK

Section Included: Entire harbor. Controlling Depth: 25 feet in entrance channel at mean lower low water. Project Depth: 25 feet at mean lower low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	945	1993	1,035	1996	939	1999	793
1991	1,205	1994	861	1997	1,275		
1992	1,179	1995	743	1998	895		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Inraport	
		Imports	Exports	Total	Coastwise			
					Receipts	Shipments		
<b>Total, all commodities</b>	<b>793</b>	<b>1</b>	<b>363</b>	<b>429</b>	<b>247</b>	<b>156</b>	<b>26</b>	
<b>Total petroleum and petroleum products</b>	<b>198</b>	—	0	<b>198</b>	<b>155</b>	<b>20</b>	<b>22</b>	
<b>Subtotal petroleum products</b>	<b>198</b>	—	0	<b>198</b>	<b>155</b>	<b>20</b>	<b>22</b>	
2211 gasoline	50	—	—	50	37	8	5	
2330 distillate fuel oil	144	—	—	144	116	10	18	
2340 residual fuel oil	3	—	—	3	1	2	—	
2350 lube oil & greases	0	—	0	—	—	—	—	
<b>Total chemicals and related products</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	
<b>Subtotal fertilizers</b>	<b>0</b>	—	0	—	—	—	—	
3190 fert. & mixes nec	0	—	0	—	—	—	—	
<b>Subtotal other chemicals and related products</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	
3230 carboxylic acids	0	0	0	—	—	—	—	
3240 nitrogen func. comp.	0	0	—	—	—	—	—	
3250 organo - inorg. comp.	0	—	0	—	—	—	—	
3260 organic comp. nec	0	0	—	—	—	—	—	
3272 sulphuric acid	0	—	0	—	—	—	—	
3273 ammonia	14	—	14	—	—	—	—	
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	
3276 metallic salts	0	0	—	—	—	—	—	
3279 inorganic chem. nec	0	—	0	—	—	—	—	
3282 pigments & paints	0	—	0	—	—	—	—	
3283 coloring mat. nec	0	—	0	—	—	—	—	
3285 perfumes & cleansers	0	—	0	—	—	—	—	
3286 plastics	2	0	2	0	0	0	—	
3291 pesticides	0	—	0	—	—	—	—	
3297 chemical additives	0	—	0	—	—	—	—	
3299 chem. products nec	0	—	—	0	0	0	—	
<b>Total crude materials, inedible except fuels</b>	<b>19</b>	<b>0</b>	<b>11</b>	<b>8</b>	<b>6</b>	<b>2</b>	<b>—</b>	
<b>Subtotal forest products, wood and chips</b>	<b>10</b>	—	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	
4170 wood in the rough	10	—	10	—	—	—	—	
4189 lumber	0	—	0	0	0	0	—	
<b>Subtotal pulp and waste paper</b>	<b>1</b>	—	<b>1</b>	—	—	—	—	
4225 pulp & waste paper	1	—	1	—	—	—	—	
<b>Subtotal iron ore and scrap</b>	<b>2</b>	—	—	<b>2</b>	<b>2</b>	—	—	
4420 iron & steel scrap	2	—	—	2	2	—	—	
<b>Subtotal other non-metal. min.</b>	<b>6</b>	<b>0</b>	—	<b>6</b>	<b>4</b>	<b>2</b>	—	
4900 non-metal. min. nec	6	0	—	6	4	2	—	
<b>Total primary manufactured goods</b>	<b>13</b>	<b>0</b>	<b>3</b>	<b>10</b>	<b>8</b>	<b>2</b>	<b>0</b>	
<b>Subtotal paper products</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>—</b>	
5120 paper & paperboard	2	—	2	—	—	—	—	
5190 paper products nec	5	0	0	5	4	1	—	
<b>Subtotal lime, cement and glass</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	
5240 glass & glass prod.	0	—	0	—	—	—	—	
5290 misc. mineral prod.	0	—	0	0	0	0	—	
<b>Subtotal primary iron and steel products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	
5330 i&s plates & sheets	0	—	0	—	—	—	—	
5360 i&s bars & shapes	0	—	0	—	—	—	—	
<b>Subtotal primary non-ferrous metal products</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>0</b>	
5422 aluminum	0	—	0	—	—	—	—	
5480 fab. metal products	6	0	0	5	4	1	0	
<b>Subtotal primary wood products</b>	<b>0</b>	—	<b>0</b>	—	—	—	—	
5540 primary wood prod.	0	—	0	—	—	—	—	
<b>Total food and farm products</b>	<b>417</b>	<b>0</b>	<b>330</b>	<b>86</b>	<b>43</b>	<b>39</b>	<b>4</b>	
<b>Subtotal fish</b>	<b>344</b>	<b>0</b>	<b>265</b>	<b>78</b>	<b>39</b>	<b>38</b>	<b>1</b>	
6134 fish (not shellfish)	308	—	250	58	22	36	0	
6136 shellfish	36	0	15	20	17	3	1	
<b>Subtotal vegetable products</b>	<b>1</b>	—	<b>1</b>	<b>0</b>	<b>0</b>	—	—	
6653 vegetable oils	0	—	0	—	—	—	—	
6654 vegetables & prod.	1	—	1	0	0	—	—	
<b>Subtotal processed grain and animal feed</b>	<b>37</b>	—	<b>34</b>	<b>3</b>	—	—	<b>3</b>	
6746 wheat flour	5	—	5	—	—	—	—	
6747 grain mill products	0	—	0	—	—	—	—	
6782 animal feed, prep.	32	—	29	3	—	—	3	

UNALASKA BAY AND ISLAND, AK  
Freight Traffic, 1999 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Intraport	
		Imports	Exports	Total	Coastwise			
					Receipts	Shipments		
<b>Subtotal other agricultural products</b>	<b>35</b>	<b>0</b>	<b>30</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>0</b>	
6811 meat, fresh, frozen	0	—	—	0	0	—	—	
6817 meat, prepared	0	—	0	—	—	—	—	
6835 fish, prepared	25	—	21	4	3	0	0	
6838 tallow, animal oils	0	—	0	—	—	—	—	
6839 animals & prod. nec	2	—	1	1	1	1	—	
6857 fruit & nuts nec	1	—	1	—	—	—	—	
6858 fruit juices	0	—	—	0	0	—	—	
6885 alcoholic beverages	0	—	0	—	—	—	—	
6887 groceries	0	—	—	0	—	0	—	
6889 food products nec	6	0	6	—	—	—	—	
6891 tobacco & products	1	—	1	—	—	—	—	
6899 farm products nec	0	—	0	—	—	—	—	
<b>Total all manufactured equipment, machinery and products</b>	<b>129</b>	<b>0</b>	<b>2</b>	<b>127</b>	<b>35</b>	<b>92</b>	<b>—</b>	
7110 machinery (not elec)	1	0	1	—	—	—	—	
7120 electrical machinery	0	0	0	—	—	—	—	
7210 vehicles & parts	0	—	0	0	0	—	—	
7230 ships & boats	0	0	—	—	—	—	—	
7400 manufac. wood prod.	0	0	0	0	0	0	—	
7500 textile products	0	0	0	—	—	—	—	
7600 rubber & plastic pr.	0	0	0	—	—	—	—	
7900 manufac. prod. nec	127	0	0	127	35	92	—	
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	
9900 unknown or nec	0	—	0	0	0	—	—	

## Other Harbors and Waterways 1999

## Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
DILLINGHAM HARBOR, AK - continued	5480 fab. metal products 6134 fish (not shellfish) 6654 vegetables & prod. 6811 meat, fresh, frozen 6835 fish, prepared 6858 fruit juices 6885 alcoholic beverages 6887 groceries 7110 machinery (not elec) 7120 electrical machinery 7210 vehicles & parts 7230 ships & boats 7400 manufac. wood prod. 7900 manufac. prod. nec	1 1 0 0 4 0 0 1 5 0 0 0 1 3
	<b>Total Tons(x1000)</b>	<b>30</b>
DOUGLAS HARBOR, AK	2211 gasoline 2330 distillate fuel oil	1 2
	<b>Total Tons(x1000)</b>	<b>3</b>
DRY PASS, AK	4170 wood in the rough 4189 lumber	3 0
	<b>Total Tons(x1000)</b>	<b>3</b>
EGERGIK RIVER, AK	2211 gasoline 2330 distillate fuel oil 5480 fab. metal products 6134 fish (not shellfish) 6835 fish, prepared 7210 vehicles & parts 7900 manufac. prod. nec	0 1 0 1 1 0 0
	<b>Total Tons(x1000)</b>	<b>3</b>
ELFIN COVE HARBOR, AK	2211 gasoline 2330 distillate fuel oil 5480 fab. metal products	0 1 0
	<b>Total Tons(x1000)</b>	<b>1</b>
GASTINEAU CHANNEL, AK	No Commerce Reported	
HOONAH HARBOR, AK	2211 gasoline 2330 distillate fuel oil 2350 lube oil & greases 2640 liquid natural gas 4170 wood in the rough 5190 paper products nec 5220 cement & concrete 5480 fab. metal products 6134 fish (not shellfish) 6887 groceries 6889 food products nec 7110 machinery (not elec) 7900 manufac. prod. nec	1 5 0 41 67 0 0 0 1 0 0 1 2
	<b>Total Tons(x1000)</b>	<b>118</b>
HUMBOLDT HARBOR, AK	2211 gasoline 2330 distillate fuel oil 4331 sand & gravel 4900 non-metal. min. nec 5190 paper products nec 5480 fab. metal products 6134 fish (not shellfish) 6654 vegetables & prod. 6811 meat, fresh, frozen 6858 fruit juices 7110 machinery (not elec)	2 14 52 0 0 1 1 0 0 0 5

#### Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
HUMBOLDT HARBOR, AK - continued	7900 manufac. prod. nec	2
	<b>Total Tons(x1000)</b>	<b>77</b>
KAKE HARBOR, AK	2211 gasoline	1
	2330 distillate fuel oil	4
	3282 pigments & paints	0
	3293 explosives	0
	3299 chem. products nec	0
	4170 wood in the rough	8
	4189 lumber	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	1
	<b>Total Tons(x1000)</b>	<b>16</b>
KING COVE LAGOON, AK	2211 gasoline	0
	2330 distillate fuel oil	10
	4331 sand & gravel	49
	4900 non-metal. min. nec	1
	5190 paper products nec	0
	5480 fab. metal products	1
	6134 fish (not shellfish)	1
	6654 vegetables & prod.	1
	6811 meat, fresh, frozen	0
	6858 fruit juices	0
	7900 manufac. prod. nec	1
	<b>Total Tons(x1000)</b>	<b>63</b>
METLAKATLA HARBOR, AK	1100 coal lignite	0
	2211 gasoline	1
	2330 distillate fuel oil	2
	2990 petro. products nec	0
	3299 chem. products nec	1
	4110 rubber & gums	0
	4161 wood chips	6
	4170 wood in the rough	68
	4189 lumber	0
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	1
	4420 iron & steel scrap	0
	4782 clay & refrac. mat.	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5480 fab. metal products	2
	6889 food products nec	2
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>87</b>
NAKNEK RIVER, AK	2211 gasoline	5
	2330 distillate fuel oil	17
	2350 lube oil & greases	0
	2990 petro. products nec	6
	3286 plastics	0
	3299 chem. products nec	0

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
NAKNEK RIVER, AK - continued		
	4189 lumber	2
	4190 forest products nec	0
	4900 non-metal. min. nec	0
	5190 paper products nec	1
	5220 cement & concrete	0
	5290 misc. mineral prod.	2
	5480 fab. metal products	1
	6134 fish (not shellfish)	15
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	12
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	2
	7900 manufac. prod. nec	6
	<b>Total Tons(x1000)</b>	<b>71</b>
	<b>Total Ton-miles(x1000)</b>	<b>121</b>
NINILCHIK HARBOR, AK		
	2330 distillate fuel oil	0
	4189 lumber	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>0</b>
NOME, AK		
	2211 gasoline	19
	2330 distillate fuel oil	7
	2350 lube oil & greases	0
	2990 petro. products nec	6
	3286 plastics	0
	3299 chem. products nec	0
	4189 lumber	2
	4190 forest products nec	0
	4331 sand & gravel	29
	5190 paper products nec	0
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	2
	6782 animal feed, prep.	0
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	3
	7210 vehicles & parts	2
	7230 ships & boats	0
	7400 manufac. wood prod.	2
	7900 manufac. prod. nec	7
	<b>Total Tons(x1000)</b>	<b>79</b>
OLD HARBOR, AK		
	2211 gasoline	11
	2330 distillate fuel oil	0
	5480 fab. metal products	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>11</b>
PELICAN HARBOR, AK		
	2211 gasoline	0
	2330 distillate fuel oil	1
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>1</b>
PETERSBURG HARBOR, AK		
	2211 gasoline	6
	2330 distillate fuel oil	12

#### Other Harbors and Waterways 1999 - continued

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SERGIUS AND WHITESTONE NARROWS, AK - continued	6134 fish (not shellfish)	4
	6136 shellfish	0
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	4
	6858 fruit juices	0
	6885 alcoholic beverages	6
	6887 groceries	16
	6889 food products nec	9
	7110 machinery (not elec)	3
	7120 electrical machinery	6
	7210 vehicles & parts	4
	7230 ships & boats	0
	7400 manufac. wood prod.	6
	7500 textile products	1
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	1
		67
	<b>Total Tons(x1000)</b>	<b>222</b>
	<b>Total Ton-miles(x1000)</b>	<b>1,917</b>
SITKA HARBOR, AK	2211 gasoline	9
	2330 distillate fuel oil	10
	2350 lube oil & greases	0
	2990 petro. products nec	0
	3110 nitrogenous fert.	1
	3282 pigments & paints	0
	3293 explosives	0
	3299 chem. products nec	0
	4170 wood in the rough	11
	4189 lumber	1
	4190 forest products nec	0
	4331 sand & gravel	0
	4420 iron & steel scrap	15
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	1
	5480 fab. metal products	4
	6134 fish (not shellfish)	5
	6136 shellfish	1
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6858 fruit juices	0
	6887 groceries	5
	6889 food products nec	1
	7110 machinery (not elec)	1
	7120 electrical machinery	1
	7210 vehicles & parts	2
	7230 ships & boats	0
	7400 manufac. wood prod.	1
	7500 textile products	0
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	1
		13
	<b>Total Tons(x1000)</b>	<b>85</b>
SKAGWAY HARBOR, AK	2211 gasoline	25
	2221 kerosene	5
	2330 distillate fuel oil	47
	2350 lube oil & greases	1
	3110 nitrogenous fert.	0
	3276 metallic salts	0
	3299 chem. products nec	1
	4170 wood in the rough	0
	4189 lumber	1
	4322 limestone	0
	4900 non-metal. min. nec	1
	5190 paper products nec	0
	5210 lime	1
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	6885 alcoholic beverages	1

#### Other Harbors and Waterways 1999 - continued

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
CHATHAM STRAIT, AK - continued	4900 non-metal. min. nec	1
	5190 paper products nec	3
	5210 lime	0
	5220 cement & concrete	5
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	17
	5370 i&s pipe & tube	1
	5480 fab. metal products	17
	5540 primary wood prod.	1
	6134 fish (not shellfish)	4
	6136 shellfish	3
	6654 vegetables & prod.	0
	6746 wheat flour	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	12
	6858 fruit juices	0
	6885 alcoholic beverages	2
	6887 groceries	7
	6889 food products nec	3
	7110 machinery (not elec)	5
	7120 electrical machinery	1
	7210 vehicles & parts	5
	7230 ships & boats	1
	7400 manufac. wood prod.	17
	7500 textile products	0
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	1
	<b>Total Tons(x1000)</b>	<b>903</b>
	<b>Total Ton-miles(x1000)</b>	<b>47,513</b>
CLARENCE STRAIT, AK	1100 coal lignite	0
	2211 gasoline	45
	2330 distillate fuel oil	80
	2350 lube oil & greases	3
	2540 petroleum coke	0
	2990 petro. products nec	2
	3110 nitrogenous fert.	1
	3276 metallic salts	2
	3282 pigments & paints	1
	3286 plastics	1
	3293 explosives	0
	3299 chem. products nec	3
	4110 rubber & gums	0
	4161 wood chips	3
	4170 wood in the rough	544
	4189 lumber	30
	4190 forest products nec	1
	4225 pulp & waste paper	0
	4322 limestone	0
	4323 gypsum	0
	4331 sand & gravel	2
	4420 iron & steel scrap	15
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	3
	5190 paper products nec	5
	5210 lime	1
	5220 cement & concrete	6
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	22
	5370 i&s pipe & tube	2
	5480 fab. metal products	31
	5540 primary wood prod.	1
	6134 fish (not shellfish)	10
	6136 shellfish	3
	6654 vegetables & prod.	0
	6746 wheat flour	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	23
	6858 fruit juices	0
	6885 alcoholic beverages	13
	6887 groceries	24
	6889 food products nec	15
	7110 machinery (not elec)	16
	7120 electrical machinery	7
	7210 vehicles & parts	9
	7230 ships & boats	1

Other Harbors and Waterways 1999 - continued

Harbor or Waterway	Commodity	Thousand Short Tons
Non-project		
CLARENCE STRAIT, AK - continued	7400 manufac. wood prod. 7500 textile products 7600 rubber & plastic pr. 7900 manufac. prod. nec	27 1 3 136
	<b>Total Tons(x1000)</b>	<b>1,096</b>
	<b>Total Ton-miles(x1000)</b>	<b>61,880</b>
FREDERICK SOUND, AK	2211 gasoline 2330 distillate fuel oil 2350 lube oil & greases 2540 petroleum coke 2990 petro. products nec 3110 nitrogenous fert. 3276 metallic salts 3282 pigments & paints 3286 plastics 3293 explosives 3299 chem. products nec 4170 wood in the rough 4189 lumber 4190 forest products nec 4322 limestone 4331 sand & gravel 4420 iron & steel scrap 4690 non-ferrous ores nec 4900 non-metal. min. nec 5190 paper products nec 5210 lime 5220 cement & concrete 5240 glass & glass prod. 5290 misc. mineral prod. 5370 i&s pipe & tube 5480 fab. metal products 6134 fish (not shellfish) 6136 shellfish 6654 vegetables & prod. 6782 animal feed, prep. 6811 meat, fresh, frozen 6835 fish, prepared 6858 fruit juices 6885 alcoholic beverages 6887 groceries 6889 food products nec 7110 machinery (not elec) 7120 electrical machinery 7210 vehicles & parts 7230 ships & boats 7400 manufac. wood prod. 7500 textile products 7600 rubber & plastic pr. 7900 manufac. prod. nec	42 65 3 0 1 1 2 1 0 0 2 269 10 1 0 7 15 227 2 2 1 5 0 5 1 15 7 1 0 0 0 0 12 20 9 6 6 4 0 7 1 2 89
	<b>Total Tons(x1000)</b>	<b>843</b>
	<b>Total Ton-miles(x1000)</b>	<b>39,190</b>
ICY STRAIT, AK	2211 gasoline 2221 kerosene 2330 distillate fuel oil 2350 lube oil & greases 2640 liquid natural gas 2990 petro. products nec 3110 nitrogenous fert. 3282 pigments & paints 3286 plastics 3299 chem. products nec 4170 wood in the rough 4189 lumber 4190 forest products nec 4323 gypsum 4331 sand & gravel 4900 non-metal. min. nec 5190 paper products nec 5220 cement & concrete 5240 glass & glass prod. 5290 misc. mineral prod. 5370 i&s pipe & tube 5480 fab. metal products 5540 primary wood prod.	37 5 67 1 41 1 0 0 0 0 151 17 1 0 0 1 4 1 0 16 0 13 1

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
ICY STRAIT, AK - continued	6134 fish (not shellfish)	5
	6136 shellfish	3
	6654 vegetables & prod.	0
	6746 wheat flour	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	14
	6858 fruit juices	0
	6885 alcoholic beverages	1
	6887 groceries	2
	6889 food products nec	1
	7110 machinery (not elec)	4
	7120 electrical machinery	0
	7210 vehicles & parts	3
	7230 ships & boats	1
	7400 manufac. wood prod.	17
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	32
	9900 unknown or nec	0
	<b>Total Tons(x1000)</b>	<b>443</b>
	<b>Total Ton-miles(x1000)</b>	<b>17,220</b>
KIVILINA, AK		
	2211 gasoline	22
	2330 distillate fuel oil	15
	2429 naphtha & solvents	36
	3299 chem. products nec	0
	4690 non-ferrous ores nec	695
	5429 smelted prod. nec	1,148
	5480 fab. metal products	0
	7900 manufac. prod. nec	2
	<b>Total Tons(x1000)</b>	<b>1,918</b>
KLAWOCK, AK		
	2211 gasoline	0
	2330 distillate fuel oil	1
	4150 fuel wood	21
	4161 wood chips	96
	4170 wood in the rough	724
	4189 lumber	1
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7900 manufac. prod. nec	0
	<b>Total Tons(x1000)</b>	<b>844</b>
NIKISHKA, AK		
	2100 crude petroleum	1,578
	2211 gasoline	170
	2221 kerosene	110
	2330 distillate fuel oil	528
	2340 residual fuel oil	128
	2350 lube oil & greases	0
	2429 naphtha & solvents	61
	2430 asphalt, tar & pitch	275
	2640 liquid natural gas	1,117
	2990 petro. products nec	21
	3110 nitrogenous fert.	563
	3260 organic comp. nec	0
	3272 sulphuric acid	0
	3273 ammonia	553
	3274 sodium hydroxide	6
	3282 pigments & paints	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3297 chemical additives	0
	4170 wood in the rough	31
	5120 paper & paperboard	0
	5190 paper products nec	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	4
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6822 dairy products	0
	6839 animals & prod. nec	0
	6889 food products nec	0
	7110 machinery (not elec)	0

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
NIKISHKA, AK - continued	7120 electrical machinery 7210 vehicles & parts 7500 textile products 7600 rubber & plastic pr. 7900 manufac. prod. nec	0 0 0 0 1
	<b>Total Tons(x1000)</b>	<b>5,148</b>
PRINCE OF WALES IS. WEST SIDE, AK	2211 gasoline 2330 distillate fuel oil 4170 wood in the rough 4189 lumber 5290 misc. mineral prod. 5480 fab. metal products 6887 groceries 7110 machinery (not elec) 7210 vehicles & parts 7230 ships & boats 7400 manufac. wood prod. 7600 rubber & plastic pr. 7900 manufac. prod. nec	0 1 506 0 0 0 0 0 2 0 0 0 0 3
	<b>Total Tons(x1000)</b>	<b>513</b>
REVILLAGIGADO CHANNEL, AK	1100 coal lignite 2211 gasoline 2221 kerosene 2330 distillate fuel oil 2350 lube oil & greases 2540 petroleum coke 2640 liquid natural gas 2990 petro. products nec 3110 nitrogenous fert. 3230 carboxylic acids 3276 metallic salts 3282 pigments & paints 3284 medicines 3285 perfumes & cleansers 3286 plastics 3293 explosives 3299 chem. products nec 4110 rubber & gums 4150 fuel wood 4161 wood chips 4170 wood in the rough 4189 lumber 4190 forest products nec 4225 pulp & waste paper 4322 limestone 4323 gypsum 4331 sand & gravel 4420 iron & steel scrap 4782 clay & refrac. mat. 4900 non-metal. min. nec 5190 paper products nec 5210 lime 5220 cement & concrete 5240 glass & glass prod. 5290 misc. mineral prod. 5370 i&s pipe & tube 5480 fab. metal products 5540 primary wood prod. 6134 fish (not shellfish) 6136 shellfish 6654 vegetables & prod. 6746 wheat flour 6782 animal feed, prep. 6811 meat, fresh, frozen 6835 fish, prepared 6858 fruit juices 6885 alcoholic beverages 6887 groceries 6889 food products nec 7110 machinery (not elec) 7120 electrical machinery 7210 vehicles & parts 7230 ships & boats	1 57 2 79 5 0 2 2 2 0 5 2 0 0 0 1 0 9 0 22 187 682 59 2 0 0 0 20 20 0 0 10 7 3 9 3 22 2 41 1 41 2 0 0 1 0 29 0 16 28 39 12 8 12 1

## Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
REVILLAGIGADO CHANNEL, AK - continued	7400 manufac. wood prod.	33
	7500 textile products	1
	7600 rubber & plastic pr.	4
	7900 manufac. prod. nec	167
	9900 unknown or nec	0
	<b>Total Tons(x1000)</b>	<b>1,651</b>
	<b>Total Ton-miles(x1000)</b>	<b>70,469</b>
STEPHENS PASSAGE, AK	2211 gasoline	36
	2330 distillate fuel oil	46
	2350 lube oil & greases	2
	2540 petroleum coke	0
	2990 petro. products nec	1
	3110 nitrogenous fert.	1
	3276 metallic salts	2
	3282 pigments & paints	1
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	2
	4170 wood in the rough	210
	4189 lumber	8
	4190 forest products nec	1
	4322 limestone	0
	4331 sand & gravel	7
	4420 iron & steel scrap	0
	4690 non-ferrous ores nec	227
	4900 non-metal. min. nec	2
	5190 paper products nec	1
	5210 lime	1
	5220 cement & concrete	3
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	5
	5370 i&s pipe & tube	1
	5480 fab. metal products	9
	6134 fish (not shellfish)	4
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	3
	6858 fruit juices	0
	6885 alcoholic beverages	12
	6887 groceries	16
	6889 food products nec	9
	7110 machinery (not elec)	5
	7120 electrical machinery	5
	7210 vehicles & parts	2
	7230 ships & boats	0
	7400 manufac. wood prod.	6
	7500 textile products	1
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	73
	<b>Total Tons(x1000)</b>	<b>702</b>
	<b>Total Ton-miles(x1000)</b>	<b>44,133</b>
SUMNER STRAIT, AK	1100 coal lignite	0
	2211 gasoline	44
	2330 distillate fuel oil	76
	2350 lube oil & greases	3
	2540 petroleum coke	0
	2990 petro. products nec	2
	3110 nitrogenous fert.	1
	3276 metallic salts	2
	3282 pigments & paints	1
	3286 plastics	1
	3293 explosives	0
	3299 chem. products nec	3
	4110 rubber & gums	0
	4161 wood chips	0
	4170 wood in the rough	247
	4189 lumber	29
	4190 forest products nec	1
	4225 pulp & waste paper	0
	4322 limestone	0
	4323 gypsum	0
	4331 sand & gravel	2
	4420 iron & steel scrap	15
	4782 clay & refrac. mat.	0

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
SUMNER STRAIT, AK - continued		
	4900 non-metal. min. nec	3
	5190 paper products nec	5
	5210 lime	1
	5220 cement & concrete	6
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	22
	5370 i&s pipe & tube	1
	5480 fab. metal products	30
	5540 primary wood prod.	1
	6134 fish (not shellfish)	9
	6136 shellfish	3
	6654 vegetables & prod.	0
	6746 wheat flour	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	22
	6858 fruit juices	0
	6885 alcoholic beverages	13
	6887 groceries	23
	6889 food products nec	13
	7110 machinery (not elec)	10
	7120 electrical machinery	7
	7210 vehicles & parts	9
	7230 ships & boats	1
	7400 manufac. wood prod.	27
	7500 textile products	1
	7600 rubber & plastic pr.	3
	7900 manufac. prod. nec	129
	<b>Total Tons(x1000)</b>	<b>768</b>
TONGASS NARROWS, AK		
	1100 coal lignite	1
	2211 gasoline	104
	2221 kerosene	2
	2330 distillate fuel oil	165
	2350 lube oil & greases	5
	2540 petroleum coke	0
	2640 liquid natural gas	2
	2990 petro. products nec	2
	3110 nitrogenous fert.	2
	3230 carboxylic acids	0
	3276 metallic salts	5
	3282 pigments & paints	2
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	1
	3293 explosives	1
	3299 chem. products nec	8
	4110 rubber & gums	0
	4150 fuel wood	22
	4161 wood chips	184
	4170 wood in the rough	846
	4189 lumber	59
	4190 forest products nec	2
	4225 pulp & waste paper	0
	4322 limestone	0
	4323 gypsum	0
	4331 sand & gravel	21
	4420 iron & steel scrap	20
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	10
	5190 paper products nec	8
	5210 lime	3
	5220 cement & concrete	8
	5240 glass & glass prod.	3
	5290 misc. mineral prod.	22
	5370 i&s pipe & tube	2
	5480 fab. metal products	39
	5540 primary wood prod.	1
	6134 fish (not shellfish)	41
	6136 shellfish	3
	6654 vegetables & prod.	0
	6746 wheat flour	0
	6782 animal feed, prep.	1
	6811 meat, fresh, frozen	0
	6835 fish, prepared	29
	6858 fruit juices	0
	6885 alcoholic beverages	16

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
TONGASS NARROWS, AK - continued	6887 groceries	29
	6889 food products nec	37
	7110 machinery (not elec)	20
	7120 electrical machinery	8
	7210 vehicles & parts	12
	7230 ships & boats	1
	7400 manufac. wood prod.	33
	7500 textile products	1
	7600 rubber & plastic pr.	4
	7900 manufac. prod. nec	174
	9900 unknown or nec	0
	<b>Total Tons(x1000)</b>	<b>1,956</b>
	<b>Total Ton-miles(x1000)</b>	<b>15,738</b>

## Section 2

### Trips and Drafts of Vessels



Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SAN DIEGO HARBOR, CA</b>												
<b>Grand Total</b>												
13,185	12,212	13	831	34	95	13,141	12,194	12	820	29	86	
<b>FOREIGN</b>												
Total	704	486	2	130	7	79	679	468	2	124	10	75
40	—	—	—	—	—	—	1	1	—	—	—	—
38	—	—	—	—	—	—	1	1	—	—	—	—
37	3	3	—	—	—	—	3	3	—	—	—	—
36	1	1	—	—	—	—	—	—	—	—	—	—
35	3	2	1	—	—	—	2	2	—	—	—	—
34	13	13	—	—	—	—	3	3	—	—	—	—
33	4	4	—	—	—	—	2	2	—	—	—	—
32	3	3	—	—	—	—	—	—	—	—	—	—
31	3	3	—	—	—	—	5	5	—	—	—	—
30	2	2	—	—	—	—	6	6	—	—	—	—
29	11	11	—	—	—	—	7	6	—	1	—	—
28	25	24	1	—	—	—	10	10	—	—	—	—
27	20	20	—	—	—	—	18	18	—	—	—	—
26	30	29	—	—	1	—	33	33	—	—	—	—
25	52	52	—	—	—	—	32	32	—	—	—	—
24	51	51	—	—	—	—	48	48	—	—	—	—
23	63	63	—	—	—	—	72	71	1	—	—	—
22	15	15	—	—	—	—	27	27	—	—	—	—
21	11	11	—	—	—	—	17	17	—	—	—	—
20	6	6	—	—	—	—	12	10	—	1	1	—
19	7	7	—	—	—	—	3	2	1	—	—	—
≤ 18	381	166	—	130	6	79	377	171	—	123	8	75
<b>DOMESTIC</b>												
Total	12,481	11,726	11	701	27	16	12,462	11,726	10	696	19	11
36	5	—	5	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
28	1	—	1	—	—	—	—	—	—	—	—	—
27	1	—	1	—	—	—	—	—	—	—	—	—
25	1	—	1	—	—	—	—	—	—	—	—	—
20	2	—	—	2	—	—	2	—	—	2	—	—
19	5	—	—	4	1	6	—	—	—	6	19	11
≤ 18	12,463	11,726	—	695	27	15	12,454	11,726	10	688	19	11
<b>LONG BEACH HARBOR, CA</b>												
Grand Total	27,573	9,572	652	13,062	3,582	705	26,862	9,115	648	13,030	3,406	663
<b>FOREIGN</b>												
Total	2,460	1,957	360	72	70	1	2,438	1,948	358	67	65	—
55	5	—	5	—	—	—	—	—	—	—	—	—
53	1	—	1	—	—	—	—	—	—	—	—	—
52	1	—	1	—	—	—	—	—	—	—	—	—
51	4	—	4	—	—	—	—	—	—	—	—	—
50	2	—	2	—	—	—	—	—	—	—	—	—
49	3	—	3	—	—	—	—	—	—	—	—	—
48	9	3	6	—	—	—	—	—	—	—	—	—
47	5	—	5	—	—	—	1	—	1	—	—	—
46	3	—	3	—	—	—	1	1	—	2	—	—
45	5	1	4	—	—	—	4	2	2	—	—	—
44	3	2	1	—	—	—	2	2	—	—	—	—
43	1	—	1	—	—	—	6	4	2	—	—	—
42	5	5	—	—	—	—	10	8	2	—	—	—
41	21	12	9	—	—	—	14	12	2	—	—	—
40	57	39	18	—	—	—	29	22	7	—	—	—
39	69	53	15	1	—	—	42	37	5	—	—	—
38	183	148	34	—	—	1	139	126	13	—	—	—
37	143	105	38	—	—	—	51	46	5	—	—	—
36	159	125	34	—	—	—	91	85	6	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**LONG BEACH HARBOR, CA - continued**  
Inbound

Outbound

FOREIGN

35	130	113	17	—	—	—	110	96	14	—	—	—
34	167	155	12	—	—	—	120	114	6	—	—	—
33	139	122	17	—	—	—	130	112	17	—	1	—
32	120	103	17	—	—	—	193	170	22	1	—	—
31	91	80	11	—	—	—	96	88	8	—	—	—
30	73	61	12	—	—	—	101	80	21	—	—	—
29	85	75	10	—	—	—	91	59	32	—	—	—
28	107	103	4	—	—	—	241	211	30	—	—	—
27	140	123	17	—	—	—	109	78	31	—	—	—
26	127	119	7	1	—	—	102	88	14	—	—	—
25	105	98	6	—	1	—	127	96	31	—	—	—
24	108	100	7	—	1	—	134	108	26	—	—	—
23	77	74	3	—	—	—	94	71	23	—	—	—
22	45	37	8	—	—	—	74	65	9	—	—	—
21	39	31	7	—	1	—	52	44	8	—	—	—
20	35	29	—	2	4	—	63	51	6	2	4	—
19	24	12	12	—	—	—	33	30	3	—	—	—
≤ 18	169	29	9	68	63	—	178	42	12	64	60	—

DOMESTIC

<b>Total</b>	<b>25,113</b>	<b>7,615</b>	<b>292</b>	<b>12,990</b>	<b>3,512</b>	<b>704</b>	<b>24,424</b>	<b>7,167</b>	<b>290</b>	<b>12,963</b>	<b>3,341</b>	<b>663</b>
60	25	—	25	—	—	—	1	—	1	—	—	—
59	12	—	12	—	—	—	—	—	—	—	—	—
58	3	—	3	—	—	—	—	—	—	—	—	—
57	10	—	10	—	—	—	—	—	—	—	—	—
56	1	—	1	—	—	—	—	—	—	—	—	—
55	2	—	2	—	—	—	—	—	—	—	—	—
54	2	—	2	—	—	—	—	—	—	—	—	—
52	1	—	1	—	—	—	—	—	—	—	—	—
51	1	—	1	—	—	—	—	—	—	—	—	—
48	2	—	2	—	—	—	—	—	—	—	—	—
47	—	—	—	—	—	—	2	—	2	—	—	—
44	—	—	—	—	—	—	2	—	2	—	—	—
43	—	—	—	—	—	—	1	—	1	—	—	—
42	2	—	2	—	—	—	1	—	1	—	—	—
41	1	—	1	—	—	—	2	—	2	—	—	—
40	3	—	3	—	—	—	1	—	1	—	—	—
39	13	—	13	—	—	—	6	—	6	—	—	—
38	8	—	8	—	—	—	10	—	10	—	—	—
37	13	—	13	—	—	—	6	—	6	—	—	—
36	9	—	9	—	—	—	15	—	14	—	—	—
35	6	—	6	—	—	—	21	—	20	—	—	—
34	12	—	11	—	—	1	22	5	17	—	—	—
33	4	—	4	—	—	—	14	5	9	—	—	—
32	8	—	7	1	—	—	19	3	14	2	—	—
31	4	—	4	—	—	—	20	11	9	—	—	—
30	18	—	18	—	—	—	21	6	15	—	—	—
29	7	—	7	—	—	—	15	3	12	—	—	—
28	182	175	6	—	—	1	11	—	11	—	—	—
27	14	11	3	—	—	—	37	31	5	—	1	—
26	15	8	4	—	—	3	6	—	6	—	—	3
25	21	13	8	—	—	—	9	—	6	—	—	—
24	5	4	1	—	—	—	—	—	—	—	—	—
23	2	2	—	—	—	—	3	—	3	—	—	—
22	1	—	1	—	—	—	2	—	1	—	1	—
21	3	—	1	—	—	2	1	—	1	—	—	—
20	25	—	6	15	—	4	35	—	6	23	—	6
19	21	—	—	19	—	2	29	—	1	21	—	7
≤ 18	24,657	7,402	97	12,955	3,512	691	24,112	7,101	108	12,917	3,341	645

Total trips:

**54,435**

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>LOS ANGELES HARBOR, CA</b>												
<b>Grand Total</b>												
18,687	9,361	369	7,163	824	970	18,558	9,118	388	7,210	851	991	
<b>FOREIGN</b>												
<b>Total</b>	<b>2,531</b>	<b>2,342</b>	<b>164</b>	<b>13</b>	<b>9</b>	<b>3</b>	<b>2,546</b>	<b>2,329</b>	<b>192</b>	<b>13</b>	<b>10</b>	<b>2</b>
52	—	—	—	—	—	—	1	1	—	—	—	—
50	—	—	—	—	—	—	1	1	—	—	—	—
49	—	—	—	—	—	—	1	1	—	—	—	—
48	1	—	1	—	—	—	—	—	—	—	—	—
47	1	—	1	—	—	—	2	1	1	—	—	—
45	—	—	—	—	—	—	—	1	1	—	—	—
44	—	—	—	—	—	—	—	1	1	—	—	—
43	3	1	2	—	—	—	7	4	3	—	—	—
42	2	2	—	—	—	—	7	7	—	—	—	—
41	13	10	3	—	—	—	12	12	—	—	—	—
40	34	30	4	—	—	—	17	16	1	—	—	—
39	73	71	2	—	—	—	37	35	2	—	—	—
38	91	78	13	—	—	—	55	54	1	—	—	—
37	121	107	14	—	—	—	67	63	4	—	—	—
36	139	121	18	—	—	—	69	62	7	—	—	—
35	106	91	15	—	—	—	84	75	9	—	—	—
34	128	118	10	—	—	—	94	89	5	—	—	—
33	115	108	7	—	—	—	116	112	4	—	—	—
32	78	71	7	—	—	—	195	187	8	—	—	—
31	90	83	7	—	—	—	94	92	2	—	—	1
30	84	78	6	—	—	—	119	102	16	—	—	—
29	128	119	8	—	—	1	72	65	7	—	—	—
28	129	117	12	—	—	—	157	143	14	—	—	—
27	144	137	7	—	—	—	125	114	11	—	—	—
26	134	131	3	—	—	—	170	152	18	—	—	—
25	267	259	8	—	—	—	280	249	30	—	—	1
24	117	114	3	—	—	—	118	102	16	—	—	—
23	221	218	2	—	—	1	235	227	8	—	—	—
≤ 22	312	278	11	13	9	1	409	361	25	13	10	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>16,156</b>	<b>7,019</b>	<b>205</b>	<b>7,150</b>	<b>815</b>	<b>967</b>	<b>16,012</b>	<b>6,789</b>	<b>196</b>	<b>7,197</b>	<b>841</b>	<b>989</b>
47	1	—	1	—	—	—	—	—	—	—	—	—
42	—	—	—	—	—	—	1	—	1	—	—	—
41	1	—	1	—	—	—	—	—	—	—	—	—
39	2	—	2	—	—	—	—	—	—	—	—	—
38	3	—	3	—	—	—	—	—	—	—	—	—
37	7	1	6	—	—	—	1	—	1	—	—	—
36	7	3	4	—	—	—	4	1	3	—	—	—
35	7	2	4	—	—	1	5	4	1	—	—	—
34	14	5	9	—	—	—	8	4	4	—	—	—
33	8	5	3	—	—	—	11	5	6	—	—	—
32	16	9	5	2	—	—	28	21	6	1	—	—
31	22	19	3	—	—	—	33	30	3	—	—	—
30	28	21	7	—	—	—	36	33	3	—	—	—
29	33	29	4	—	—	—	21	12	9	—	—	—
28	239	234	5	—	—	—	25	24	1	—	—	—
27	24	20	3	—	—	1	16	12	4	—	—	—
26	27	18	5	—	—	4	20	14	6	—	—	—
25	12	11	—	—	—	1	13	11	2	—	—	—
24	2	2	—	—	—	—	7	6	1	—	—	—
23	5	3	—	—	—	2	1	—	1	—	—	—
≤ 22	15,698	6,637	140	7,148	815	958	15,782	6,612	144	7,196	841	989
<b>Total trips:</b>												
												37,245
<b>PORT HUENEME, CA</b>												
<b>Grand Total</b>												
2,273	2,242	6	5	1	19	2,264	2,240	5	1	1	1	17
<b>FOREIGN</b>												
<b>Total</b>	<b>277</b>	<b>269</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>275</b>	<b>269</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>—</b>
34	3	2	1	—	—	—	—	—	—	—	—	—
32	2	1	1	—	—	—	—	—	—	—	—	—
31	2	1	1	—	—	—	—	—	—	—	—	—
30	3	3	—	—	—	—	2	2	—	—	—	—
29	3	2	1	—	—	—	3	3	—	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT HUENEME, CA - continued**

	Inbound						Outbound					
<b>FOREIGN</b>												
28	16	16	—	—	—	—	37	35	2	—	—	—
27	15	15	—	—	—	—	21	21	—	—	—	—
26	47	44	1	2	—	—	22	20	1	1	—	—
25	74	74	—	—	—	—	23	23	—	—	—	—
24	68	68	—	—	—	—	49	48	1	—	—	—
23	19	19	—	—	—	—	22	22	—	—	—	—
22	11	11	—	—	—	—	20	20	—	—	—	—
21	7	7	—	—	—	—	11	11	—	—	—	—
20	1	1	—	—	—	—	8	8	—	—	—	—
19	1	1	—	—	—	—	1	1	—	—	—	—
≤ 18	5	4	—	—	1	—	56	55	—	—	1	—
<b>DOMESTIC</b>												
<b>Total</b> ≤ 18	<b>1,996</b> 1,996	<b>1,973</b> 1,973	<b>1</b> 1	<b>3</b> 3	—	—	<b>19</b> 19	<b>1,989</b> 1,989	<b>1,971</b> 1,971	<b>1</b> 1	—	—
												<b>17</b> 17
												<b>Total trips:</b> <b>4,537</b>

**MISSION BAY, CA**  
No Vessel Trips Reported

**MORRO BAY HARBOR, CA**  
(10 feet and less)

	Inbound						Outbound					
<b>Grand Total</b>	<b>22</b>	—	—	22	—	—	<b>22</b>	—	—	—	<b>22</b>	—

**NEWPORT BAY HARBOR, CA**  
(13 feet and less)

	Inbound						Outbound					
<b>Grand Total</b>	<b>311</b>	<b>310</b>	—	—	—	1	<b>333</b>	<b>310</b>	—	—	<b>1</b>	<b>22</b>

**REDONDO BEACH, CA**  
(7 feet and less)

	Inbound						Outbound					
<b>Grand Total</b>	<b>67</b>	<b>17</b>	—	<b>50</b>	—	—	<b>68</b>	<b>18</b>	—	—	<b>50</b>	—

**SANTA BARBARA HARBOR, CA**  
No Vessel Trips Reported

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SACRAMENTO RIVER, CA</b>												
<b>Upbound</b>												
<b>Grand Total</b>	<b>1,334</b>	<b>1,133</b>	<b>4</b>	<b>171</b>	<b>26</b>	<b>—</b>	<b>1,336</b>	<b>1,138</b>	<b>10</b>	<b>161</b>	<b>27</b>	<b>—</b>
<b>FOREIGN</b>												
Total	40	39	1	—	—	—	51	44	7	—	—	—
33	1	—	1	—	—	—	2	2	—	—	—	—
32	—	—	—	—	—	—	1	1	—	—	—	—
31	—	—	—	—	—	—	3	2	1	—	—	—
30	1	1	—	—	—	—	8	7	1	—	—	—
29	7	7	—	—	—	—	4	4	—	—	—	—
28	5	5	—	—	—	—	5	5	—	—	—	—
27	—	—	—	—	—	—	8	8	—	—	—	—
26	4	4	—	—	—	—	3	3	—	—	—	—
25	1	1	—	—	—	—	5	1	4	—	—	—
24	1	1	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	1	1	—	—	—	—
22	—	—	—	—	—	—	3	2	1	—	—	—
21	3	3	—	—	—	—	2	2	—	—	—	—
20	5	5	—	—	—	—	1	1	—	—	—	—
19	2	2	—	—	—	—	1	1	—	—	—	—
18	3	3	—	—	—	—	1	1	—	—	—	—
17	1	1	—	—	—	—	1	1	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
12	2	2	—	—	—	—	2	2	—	—	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>1,294</b>	<b>1,094</b>	<b>3</b>	<b>171</b>	<b>26</b>	<b>—</b>	<b>1,285</b>	<b>1,094</b>	<b>3</b>	<b>161</b>	<b>27</b>	<b>—</b>
26	1	—	1	—	—	—	1	—	1	—	—	—
25	2	—	2	—	—	—	2	—	2	—	—	—
20	1	—	—	—	1	—	—	—	—	—	—	—
11	—	—	—	—	—	—	2	—	—	—	2	—
9	25	—	—	25	—	—	25	—	—	25	—	—
8	3	—	—	3	—	—	4	—	—	4	—	—
7	115	—	—	115	—	—	99	—	—	99	—	—
≤ 6	1,147	1,094	—	28	25	—	1,152	1,094	—	33	25	—
<b>Total trips:</b>											<b>2,670</b>	

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA</b>												
<b>Upbound</b>												
<b>Grand Total</b>	<b>44</b>	<b>39</b>	<b>4</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>55</b>	<b>44</b>	<b>10</b>	<b>—</b>	<b>1</b>	<b>—</b>
<b>FOREIGN</b>												
Total	40	39	1	—	—	—	51	44	7	—	—	—
33	1	—	1	—	—	—	2	2	—	—	—	—
32	—	—	—	—	—	—	1	1	—	—	—	—
31	—	—	—	—	—	—	3	2	1	—	—	—
30	1	1	—	—	—	—	8	7	1	—	—	—
29	7	7	—	—	—	—	4	4	—	—	—	—
28	5	5	—	—	—	—	5	5	—	—	—	—
27	—	—	—	—	—	—	8	8	—	—	—	—
26	4	4	—	—	—	—	3	3	—	—	—	—
25	1	1	—	—	—	—	5	1	4	—	—	—
24	1	1	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	1	1	—	—	—	—
22	—	—	—	—	—	—	3	2	1	—	—	—
21	3	3	—	—	—	—	2	2	—	—	—	—
20	5	5	—	—	—	—	1	1	—	—	—	—
19	2	2	—	—	—	—	1	1	—	—	—	—
18	3	3	—	—	—	—	1	1	—	—	—	—
17	1	1	—	—	—	—	1	1	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	2	2	—	—	—	—
12	2	2	—	—	—	—	2	2	—	—	—	—

### Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	Self Propelled Vessels			Non-Self Propelled Vessels		Self Propelled Vessels			Non-Self Propelled Vessels		
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo

**SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA - continued**  
Upbound

## DOMESTIC

## SACRAMENTO, CA

Inbound

**Grand Total**      1,156      1,133      4      18      1      —      1,170      1,138      10      20      2      —

## FOREIGN

## DOMESTIC

## SAN JOAQUIN RIVER, CA

Upbound

## Downbound

<b>Grand Total</b>	817	115	31	437	193	41	761	85	26	422	193	35
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## FOREIGN

<b>Total</b>	<b>105</b>	<b>75</b>	<b>28</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>103</b>	<b>77</b>	<b>24</b>	<b>1</b>	<b>1</b>	<b>—</b>
33	3	2	1	—	—	—	3	3	—	—	—	—
32	15	10	5	—	—	—	4	3	1	—	—	—
31	28	19	9	—	—	—	3	3	—	—	—	—
30	9	7	2	—	—	—	3	3	—	—	—	—
29	8	6	2	—	—	—	8	7	1	—	—	—
28	5	4	1	—	—	—	15	8	5	1	1	—
27	6	4	2	—	—	—	10	9	1	—	—	—
26	4	2	2	—	—	—	11	8	3	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SAN JOAQUIN RIVER, CA - continued**

Upbound

Downbound

**FOREIGN**

25	4	4	—	—	—	—	16	11	5	—	—	—
24	6	4	2	—	—	—	15	5	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
22	5	4	1	—	—	—	7	2	5	—	—	—
21	2	2	—	—	—	—	5	5	—	—	—	—
20	4	4	—	—	—	—	2	2	—	—	—	—
19	1	—	1	—	—	—	5	4	1	—	—	—
18	—	—	—	—	—	—	2	—	2	—	—	—
17	2	2	—	—	—	—	1	1	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	1	1	—	—	—	—
14	1	—	—	—	1	—	1	1	—	—	—	—
≤ 12	1	—	—	1	—	—	—	—	—	—	—	—

**DOMESTIC**

Total	712	40	3	436	192	41	658	8	2	421	192	35
32	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	2	—	2	—	—	—
18	2	—	—	—	—	2	—	—	—	—	—	—
17	27	—	—	27	—	—	21	—	—	21	—	—
15	19	—	—	16	—	3	16	—	—	16	—	—
14	11	—	—	—	—	11	—	—	—	—	—	—
13	5	—	—	4	—	1	4	—	—	4	—	—
≤ 12	645	40	—	389	192	24	615	8	—	380	192	35
<b>Total trips:</b>											<b>1,578</b>	

**STOCKTON, CA**

Inbound

Outbound

Grand Total	153	46	25	44	—	38	147	48	21	45	1	32
-------------	-----	----	----	----	---	----	-----	----	----	----	---	----

**FOREIGN**

Total	55	33	22	—	—	—	56	35	19	1	1	—
32	10	6	4	—	—	—	2	1	1	—	—	—
31	13	6	7	—	—	—	—	—	—	—	—	—
30	4	2	2	—	—	—	1	1	—	—	—	—
29	4	2	2	—	—	—	1	1	—	—	—	—
28	3	2	1	—	—	—	10	4	4	1	1	—
27	4	2	2	—	—	—	7	6	1	—	—	—
26	3	2	1	—	—	—	7	4	3	—	—	—
25	2	2	—	—	—	—	6	1	5	—	—	—
24	3	1	2	—	—	—	4	4	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
22	3	2	1	—	—	—	5	1	4	—	—	—
21	1	1	—	—	—	—	4	4	—	—	—	—
20	3	3	—	—	—	—	2	2	—	—	—	—
19	—	—	—	—	—	—	3	3	—	—	—	—
≤ 18	2	2	—	—	—	—	3	2	1	—	—	—

**DOMESTIC**

Total	98	13	3	44	—	38	91	13	2	44	—	32
32	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	2	—	2	—	—	—
≤ 18	95	13	—	44	—	38	89	13	—	44	—	32
<b>Total trips:</b>											<b>300</b>	

**MIDDLE RIVER, CA**

No Vessel Trips Reported

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**MOKELUMNE RIVER, CA**  
(6 feet and less)

Upbound

Downbound

<b>Grand Total</b>	7	7	—	—	—	—	5	5	—	—	—	—
--------------------	---	---	---	---	---	---	---	---	---	---	---	---

**Total trips:**

**12**

**OLD RIVER, CA**  
No Vessel Trips Reported

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>SAN FRANCISCO BAY ENTRANCE, CA</b>												
Upbound												
<b>Grand Total</b>	<b>3,348</b>	<b>2,201</b>	<b>617</b>	<b>316</b>	<b>13</b>	<b>201</b>	<b>3,130</b>	<b>1,998</b>	<b>598</b>	<b>301</b>	<b>19</b>	<b>214</b>
<b>FOREIGN</b>												
Total	2,048	1,697	338	6	6	1	2,058	1,697	346	7	7	1
48	1	—	1	—	—	—	—	—	—	—	—	—
47	1	—	1	—	—	—	—	—	—	—	—	—
44	1	—	1	—	—	—	—	—	—	—	—	—
42	3	—	3	—	—	—	—	—	—	—	—	—
41	5	—	5	—	—	—	1	—	1	—	—	—
40	4	—	4	—	—	—	—	—	—	—	—	—
39	10	1	9	—	—	—	1	—	1	—	—	—
38	98	86	12	—	—	—	95	89	6	—	—	—
37	38	28	10	—	—	—	33	30	3	—	—	—
36	49	37	12	—	—	—	58	47	11	—	—	—
35	78	53	25	—	—	—	81	60	21	—	—	—
34	112	86	26	—	—	—	111	89	22	—	—	—
33	177	162	15	—	—	—	193	181	12	—	—	—
32	160	138	22	—	—	—	163	128	35	—	—	—
31	174	152	22	—	—	—	189	176	13	—	—	—
30	181	162	19	—	—	—	178	153	25	—	—	—
29	184	163	21	—	—	—	131	118	13	—	—	—
28	122	103	19	—	—	—	126	94	30	1	1	—
27	126	102	24	—	—	—	135	105	30	—	—	—
26	97	74	23	—	—	—	112	84	28	—	—	—
25	76	56	18	—	2	—	100	64	35	—	1	—
24	75	62	13	—	—	—	80	61	19	—	—	—
23	67	63	4	—	—	—	60	56	4	—	—	—
22	49	43	6	—	—	—	57	43	13	—	1	—
21	45	36	9	—	—	—	56	49	6	—	1	—
20	34	30	3	—	1	—	28	24	3	—	1	—
19	21	17	3	—	1	—	26	16	10	—	—	—
≤ 18	60	43	8	6	2	1	44	30	5	6	2	1
<b>DOMESTIC</b>												
Total	1,300	504	279	310	7	200	1,072	301	252	294	12	213
49	4	—	4	—	—	—	—	—	—	—	—	—
45	4	—	4	—	—	—	—	—	—	—	—	—
44	1	—	1	—	—	—	—	—	—	—	—	—
43	6	—	6	—	—	—	—	—	—	—	—	—
42	5	—	5	—	—	—	—	—	—	—	—	—
41	1	—	1	—	—	—	—	—	—	—	—	—
40	6	—	6	—	—	—	2	—	2	—	—	—
39	6	—	6	—	—	—	2	—	2	—	—	—
38	37	—	37	—	—	—	4	—	4	—	—	—
37	15	—	15	—	—	—	2	—	1	—	—	—
36	17	1	16	—	—	—	19	11	8	—	—	—
35	12	3	9	—	—	—	52	34	18	—	—	—
34	20	11	8	—	1	—	45	31	14	—	—	—
33	49	37	12	—	—	—	49	37	12	—	—	—
32	60	30	30	—	—	—	31	22	9	—	—	—
31	29	14	15	—	—	—	23	13	10	—	—	—
30	50	38	12	—	—	—	35	20	15	—	—	—
29	38	22	15	1	—	—	26	15	11	—	—	—
28	132	126	6	—	—	—	26	15	11	—	—	—
27	61	59	2	—	—	—	36	32	4	—	—	6
26	35	27	8	—	—	—	23	12	5	—	—	—
25	38	13	22	—	3	—	45	15	30	—	—	—
24	12	9	3	—	—	—	19	15	3	—	—	1
23	11	3	8	—	—	—	24	4	19	—	—	1
22	6	1	4	—	—	—	10	4	5	—	—	1
21	17	—	2	—	—	—	15	1	1	—	—	18
20	54	—	12	32	1	9	65	10	16	28	—	11
19	21	—	—	5	—	16	32	—	6	—	26	149
≤ 18	553	110	10	272	6	155	482	9	52	260	12	214
<b>Total trips:</b>											<b>6,478</b>	

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SAN FRANCISCO HARBOR, CA**

Inbound													Outbound		
<b>Grand Total</b>															
<b>FOREIGN</b>															
Total	194	167	27	—	—	—	191	169	21	—	—	—	—	—	1
40	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
36	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—
34	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
33	6	5	1	—	—	—	1	1	—	—	—	—	—	—	—
32	8	8	—	—	—	—	5	4	1	—	—	—	—	—	—
31	3	3	—	—	—	—	8	8	—	—	—	—	—	—	—
30	13	11	2	—	—	—	11	11	—	—	—	—	—	—	—
29	11	11	—	—	—	—	22	21	1	—	—	—	—	—	—
28	19	17	2	—	—	—	22	20	2	—	—	—	—	—	—
27	21	21	—	—	—	—	24	20	4	—	—	—	—	—	—
26	31	27	4	—	—	—	22	19	3	—	—	—	—	—	—
25	10	7	3	—	—	—	18	16	2	—	—	—	—	—	—
24	11	9	2	—	—	—	16	13	3	—	—	—	—	—	—
23	13	12	1	—	—	—	10	8	2	—	—	—	—	—	—
≤ 22	44	35	9	—	—	—	31	27	3	—	—	—	—	—	1
<b>DOMESTIC</b>															
Total	49,956	48,474	—	959	507	16	49,986	48,333	—	917	723	13			
23	1	—	—	—	—	—	—	—	—	—	—	—			
≤ 22	49,955	48,474	—	959	507	15	49,986	48,333	—	917	723	13			
													<b>Total trips:</b> 100,327		

**REDWOOD CITY HARBOR, CA**

Inbound													Outbound		
<b>Grand Total</b>															
<b>FOREIGN</b>															
Total	15	15	—	—	—	—	17	16	1	—	—	—	—	—	—
33	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—
32	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—
28	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—
27	2	2	—	—	—	—	1	1	—	—	—	—	—	—	—
26	4	4	—	—	—	—	6	6	—	—	—	—	—	—	—
25	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—
23	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—
≤ 22	3	3	—	—	—	—	5	4	1	—	—	—	—	—	—
<b>DOMESTIC</b>															
Total	408	15	—	195	197	1	418	15	—	196	204	3			
≤ 22	408	15	—	195	197	1	418	15	—	196	204	3			
													<b>Total trips:</b> 858		

**OAKLAND HARBOR, CA**

Inbound													Outbound		
<b>Grand Total</b>															
<b>FOREIGN</b>															
Total	1,276	1,266	8	1	1	—	1,258	1,250	8	—	—	—	—	—	—
38	85	84	1	—	—	—	89	89	—	—	—	—	—	—	—
37	26	25	1	—	—	—	30	30	—	—	—	—	—	—	—
36	36	36	—	—	—	—	46	45	1	—	—	—	—	—	—
35	51	51	—	—	—	—	57	57	—	—	—	—	—	—	—
34	84	84	—	—	—	—	86	86	—	—	—	—	—	—	—
33	148	148	—	—	—	—	173	172	1	—	—	—	—	—	—
32	112	112	—	—	—	—	115	114	1	—	—	—	—	—	—

## Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	(Leave in blank)						Self Propelled Vessels						Non-Self Propelled Vessels					
	Self Propelled Vessels			Non-Self Propelled Vessels			Self Propelled Vessels			Non-Self Propelled Vessels								
	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker						

**OAKLAND HARBOR, CA - continued**

## Inbound

## Outbound

## FOREIGN

31	125	124	1	—	—	—	—	159	159	—	—	—
30	140	140	—	—	—	—	—	131	130	1	—	—
29	128	128	—	—	—	—	—	80	79	1	—	—
28	69	69	—	—	—	—	—	52	52	—	—	—
27	73	71	2	—	—	—	—	58	58	—	—	—
26	23	22	—	—	—	—	—	22	22	—	—	—
25	34	33	1	—	—	—	—	16	16	—	—	—
24	37	37	—	—	—	—	—	37	36	1	—	—
23	40	40	—	—	—	—	—	37	37	—	—	—
22	65	62	1	1	—	—	—	70	68	2	—	—

## DOMESTIC

## RICHMOND HARBOR, CA

## Inbound

## Outbound

Grand  
Total

EIGN											
Total	262	77	176	4	4	1	267	82	177	4	4
48	1	—	1	—	—	—	—	—	—	—	—
47	1	—	1	—	—	—	—	—	—	—	—
44	1	—	1	—	—	—	—	—	—	—	—
42	3	—	3	—	—	—	—	—	—	—	—
41	5	—	5	—	—	—	—	—	—	—	—
40	3	—	3	—	—	—	—	—	—	—	—
39	9	1	8	—	—	—	1	—	1	—	—
38	12	2	10	—	—	—	5	—	5	—	—
37	8	3	5	—	—	—	2	—	2	—	—
36	8	—	8	—	—	—	7	2	5	—	—
35	19	1	18	—	—	—	16	2	14	—	—
34	15	1	14	—	—	—	16	1	15	—	—
33	12	4	8	—	—	—	7	3	4	—	—
32	12	2	10	—	—	—	31	2	29	—	—
31	6	1	5	—	—	—	10	3	7	—	—
30	11	1	10	—	—	—	21	4	17	—	—
29	20	10	10	—	—	—	7	2	5	—	—
28	11	4	7	—	—	—	18	6	12	—	—
27	16	4	12	—	—	—	18	6	12	—	—
26	14	7	7	—	—	—	20	12	8	—	—
25	19	8	9	—	2	—	29	10	18	—	1
24	14	6	8	—	—	—	8	3	5	—	—
23	4	3	1	—	—	—	6	4	2	—	—
< 22	38	19	12	4	2	1	45	22	16	4	3

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**RICHMOND HARBOR, CA - continued**

	Inbound						Outbound					
<b>DOMESTIC</b>												
<b>Total</b>	<b>4,463</b>	<b>6</b>	<b>203</b>	<b>3,859</b>	<b>28</b>	<b>367</b>	<b>4,530</b>	<b>5</b>	<b>189</b>	<b>3,919</b>	<b>31</b>	<b>386</b>
49	8	—	8	—	—	—	1	—	1	—	—	—
45	1	—	1	—	—	—	—	—	—	—	—	—
44	1	—	1	—	—	—	—	—	—	—	—	—
43	6	—	6	—	—	—	—	—	—	—	—	—
42	4	—	4	—	—	—	—	—	—	—	—	—
41	1	—	1	—	—	—	—	—	—	—	—	—
40	6	—	6	—	—	—	2	—	2	—	—	—
39	5	—	5	—	—	—	3	—	3	—	—	—
38	10	—	10	—	—	—	4	—	4	—	—	—
37	14	—	14	—	—	—	1	—	1	—	—	—
36	9	—	9	—	—	—	6	—	6	—	—	—
35	8	—	8	—	—	—	16	—	16	—	—	—
34	8	—	8	—	—	—	16	—	16	—	—	—
33	6	—	6	—	—	—	10	—	10	—	—	—
32	20	—	20	—	—	—	10	—	10	—	—	—
31	6	—	6	—	—	—	11	—	11	—	—	—
30	17	—	17	—	—	—	13	—	13	—	—	—
29	9	—	9	—	—	—	10	—	10	—	—	—
28	7	1	6	—	—	—	8	1	7	—	—	—
27	3	—	3	—	—	—	4	—	4	—	—	—
26	6	—	6	—	—	—	6	1	4	—	—	1
25	26	—	24	—	—	2	7	—	7	—	—	—
24	2	1	1	—	—	—	2	—	2	—	—	—
23	8	2	5	—	—	1	5	—	4	—	—	1
≤ 22	4,272	2	19	3,859	28	364	4,395	3	58	3,919	31	384
												<b>Total trips:</b> 9,522

**SAN PABLO BAY AND MARE ISLAND STRAIT, CA**  
Upbound Downbound

Grand Total	6,545	4,314	347	1,183	352	349	6,491	4,373	346	1,073	355	344
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**FOREIGN**

Total	301	172	127	1	1	—	325	180	139	3	3	—
41	—	—	1	—	—	—	1	—	1	—	—	—
39	1	—	1	—	—	—	1	—	1	—	—	—
38	1	—	1	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	5	—	5	—	—	—
36	4	—	4	—	—	—	7	—	7	—	—	—
35	8	1	7	—	—	—	9	2	7	—	—	—
34	11	1	10	—	—	—	11	4	7	—	—	—
33	10	4	6	—	—	—	12	8	4	—	—	—
32	25	13	12	—	—	—	12	8	4	—	—	—
31	40	24	16	—	—	—	12	6	6	—	—	—
30	17	10	7	—	—	—	15	8	7	—	—	—
29	25	14	11	—	—	—	22	16	6	—	—	—
28	22	12	10	—	—	—	33	15	16	1	1	—
27	14	4	10	—	—	—	34	20	14	—	—	—
26	25	14	11	—	—	—	42	25	17	—	—	—
25	13	8	5	—	—	—	35	20	15	—	—	—
24	13	10	3	—	—	—	19	9	10	—	—	—
23	9	7	2	—	—	—	6	6	—	—	—	—
≤ 22	59	50	7	1	1	—	60	41	15	2	—	—

**DOMESTIC**

Total	6,244	4,142	220	1,182	351	349	6,166	4,193	207	1,070	352	344
45	4	—	4	—	—	—	—	—	—	—	—	—
42	1	—	1	—	—	—	1	—	1	—	—	—
40	—	—	—	—	—	—	1	—	—	—	—	—
39	1	—	1	—	—	—	1	—	1	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	8	—	8	—	—	—	4	—	4	—	—	—
35	4	—	4	—	—	—	2	—	2	—	—	—
34	8	2	5	—	—	1	1	—	1	—	—	—

## Trips and Drafts of Vessels, 1999 (draft in feet)

**SAN PABLO BAY AND MARE ISLAND STRAIT, CA - continued**  
Upbound

## DOMESTIC

## CARQUINEZ STRAIT, CA

**Grand  
Total**

Total	279	170	107	1	1		302	177	120	2	3
41	—	—	—	—	—	—	1	—	—	—	—
38	1	—	—	1	—	—	1	—	—	1	—
37	3	—	—	3	—	—	1	—	—	1	—
36	1	—	—	—	—	—	4	—	4	—	—
35	7	1	6	—	—	—	7	—	7	—	—
34	7	1	6	—	—	—	8	1	7	—	—
33	10	4	6	—	—	—	10	4	6	—	—
32	23	12	11	—	—	—	11	8	3	—	—
31	38	23	15	—	—	—	11	6	5	—	—
30	13	10	3	—	—	—	12	7	5	—	—
29	25	14	11	—	—	—	20	15	5	—	—
28	21	12	9	—	—	—	28	15	11	—	1
27	13	4	9	—	—	—	31	20	11	—	—
26	25	14	11	—	—	—	40	25	15	—	—
25	12	8	4	—	—	—	34	20	14	—	—
24	13	10	3	—	—	—	18	9	9	—	—
23	8	7	1	—	—	—	6	6	—	—	—
≤ 22	59	50	7	1	1	—	59	41	15	1	2

## DOMESTIC

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SUISUN BAY CHANNEL, CA**

Grand Total	Upbound						Downbound					
	1,437	122	57	766	318	174	1,465	128	58	788	319	172
<b>FOREIGN</b>												
Total	164	115	47	1	1	—	175	122	51	1	1	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	2	—	2	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	1	—	1	—	—	—
33	6	2	4	—	—	—	3	3	—	—	—	—
32	18	10	8	—	—	—	7	5	2	—	—	—
31	28	19	9	—	—	—	5	4	1	—	—	—
30	10	8	2	—	—	—	6	5	1	—	—	—
29	16	13	3	—	—	—	18	15	3	—	—	—
28	13	9	4	—	—	—	21	12	7	1	1	—
27	8	4	4	—	—	—	18	14	4	—	—	—
26	9	6	3	—	—	—	23	16	7	—	—	—
25	6	5	1	—	—	—	19	14	5	—	—	—
24	7	5	2	—	—	—	12	6	6	—	—	—
23	2	2	—	—	—	—	2	2	—	—	—	—
22	6	4	2	—	—	—	12	4	8	—	—	—
21	5	5	—	—	—	—	7	7	—	—	—	—
20	9	9	—	—	—	—	4	3	1	—	—	—
19	3	2	1	—	—	—	6	5	1	—	—	—
≤ 18	14	12	—	1	1	—	9	7	2	—	—	—
<b>DOMESTIC</b>												
Total	1,273	7	10	765	317	174	1,290	6	7	787	318	172
32	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	2	—	2	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—
29	3	—	3	—	—	—	1	—	1	—	—	—
28	1	—	1	—	—	—	—	—	—	—	—	—
27	1	—	1	—	—	—	1	—	1	—	—	—
26	2	—	2	—	—	—	1	—	1	—	—	—
25	—	—	—	—	—	—	2	—	2	—	—	—
24	1	—	1	—	—	—	—	—	—	—	—	—
22	1	—	—	—	—	—	1	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	4	—
20	11	—	—	9	1	1	10	—	—	9	—	1
19	4	—	—	1	—	3	7	—	—	1	—	6
≤ 18	1,247	7	—	755	316	169	1,262	6	—	777	318	161
<b>Total trips:</b>											<b>2,902</b>	

**PETALUMA RIVER, CA**

Grand Total	Upbound						Downbound					
	405	—	—	162	243	—	405	—	—	162	243	—
<b>DOMESTIC</b>												
Total	405	—	—	162	243	—	405	—	—	162	243	—
13	89	—	—	—	89	—	—	—	—	—	—	—
12	28	—	—	—	28	—	—	—	—	—	—	—
11	15	—	—	—	15	—	—	—	—	—	—	—
10	6	—	—	—	6	—	—	—	—	—	—	—
9	129	—	—	126	3	—	126	—	—	126	—	—
8	—	—	—	—	—	—	28	—	—	28	—	—
6	42	—	—	36	6	—	38	—	—	36	2	—
5	44	—	—	—	44	—	1	—	—	—	1	—
4	—	—	—	—	—	—	3	—	—	—	3	—
3	15	—	—	—	15	—	207	—	—	207	—	—
2	37	—	—	—	37	—	2	—	—	2	—	—
<b>Total trips:</b>											<b>810</b>	

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>HUMBOLDT HARBOR AND BAY, CA</b>												
Inbound												
<b>Grand Total</b>	<b>1,321</b>	<b>323</b>	—	179	775	44	<b>1,296</b>	<b>322</b>	—	170	<b>763</b>	<b>41</b>
<b>FOREIGN</b>												
Total	83	64	—	9	10	—	69	63	—	3	3	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	—	—	—	—	—	—	5	5	—	—	—	—
32	1	1	—	—	—	—	3	3	—	—	—	—
31	1	1	—	—	—	—	5	5	—	—	—	—
30	2	2	—	—	—	—	5	5	—	—	—	—
29	7	7	—	—	—	—	1	1	—	—	—	—
28	2	2	—	—	—	—	12	12	—	—	—	—
27	4	4	—	—	—	—	5	5	—	—	—	—
26	11	11	—	—	—	—	2	2	—	—	—	—
25	9	9	—	—	—	—	10	10	—	—	—	—
24	4	4	—	—	—	—	3	3	—	—	—	—
23	12	12	—	—	—	—	1	1	—	—	—	—
22	4	4	—	—	—	—	6	6	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
20	3	3	—	—	—	—	3	3	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
≤ 18	21	2	—	9	10	—	6	—	—	3	3	—
DOMESTIC												
Total	<b>1,238</b>	<b>259</b>	—	<b>170</b>	<b>765</b>	<b>44</b>	<b>1,227</b>	<b>259</b>	—	<b>167</b>	<b>760</b>	<b>41</b>
≤ 18	1,238	259	—	170	765	44	1,227	259	—	167	760	41
<b>Total trips:</b>												<b>2,617</b>
<b>BERKELEY, CA</b> (7 feet and less)												
Inbound												
<b>Grand Total</b>	<b>812</b>	<b>812</b>	—	—	—	—	<b>812</b>	<b>812</b>	—	—	<b>Total trips:</b>	—
												1,624
<b>BODEGA BAY, CA</b> No Vessel Trips Reported												
<b>CRESCENT CITY HARBOR, CA</b> No Vessel Trips Reported												
<b>MONTEREY HARBOR, CA</b> (12 feet and less)												
Inbound												
<b>Grand Total</b>	<b>1</b>	<b>1</b>	—	—	—	—	<b>2</b>	<b>2</b>	—	—	<b>Total trips:</b>	—
												3
<b>MOSS LANDING HARBOR, CA</b> No Vessel Trips Reported												
<b>NAPA RIVER, CA</b> (13 feet and less)												
Upbound												
<b>Grand Total</b>	<b>156</b>	<b>28</b>	—	<b>65</b>	<b>63</b>	—	<b>157</b>	<b>28</b>	—	<b>66</b>	<b>63</b>	—
												313
<b>NOYO RIVER, CA</b> No Vessel Trips Reported												
Downbound												

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PILLAR POINT HARBOR, CA**  
No Vessel Trips Reported

**SAN RAFAEL CREEK, CA**  
(12 feet and less)

Grand Total	Upbound						Downbound					
	1	—	—	—	1	—	1	—	—	—	1	—
												Total trips: 2

**SANTA CRUZ HARBOR, CA**  
(10 feet and less)

Grand Total	Inbound						Outbound					
	349	349	—	—	—	—	349	349	—	—	—	698
												Total trips: —

**SUISUN CHANNEL, CA**  
No Vessel Trips Reported

**OTHER SAN FRANCISCO BAY AREA PORTS, CA**  
(38 feet and less)

Grand Total	Inbound						Outbound					
	26,495	23,391	152	1,938	965	49	26,561	23,410	155	1,984	964	48
												Total trips: 53,056

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>HILO HARBOR, HI</b>												
Inbound												
<b>Grand Total</b>	<b>823</b>	<b>15</b>	—	390	328	90	787	13	1	353	328	92
FOREIGN												
Total	13	13	—	—	—	—	13	12	1	—	—	—
37	—	—	—	—	—	—	1	1	—	—	—	—
27	3	3	—	—	—	—	3	3	—	—	—	—
26	1	1	—	—	—	—	1	1	—	—	—	—
25	5	5	—	—	—	—	3	3	—	—	—	—
24	2	2	—	—	—	—	3	3	—	—	—	—
23	1	1	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	1	—	1	—	—	—
≤ 18	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
<b>Total</b>	<b>810</b>	<b>2</b>	—	<b>390</b>	<b>328</b>	<b>90</b>	<b>774</b>	<b>1</b>	—	<b>353</b>	<b>328</b>	<b>92</b>
19	23	—	—	390	328	90	774	1	—	353	328	92
≤ 18	787	2	—	390	328	90	767	1	—	353	328	85
												<b>Total trips:</b> 1,610
<b>KAWAIHAE HARBOR, HI</b>												
Inbound												
<b>Grand Total</b>	<b>639</b>	—	—	255	372	12	661	—	—	279	372	10
DOMESTIC												
<b>Total</b>	<b>639</b>	—	—	<b>255</b>	<b>372</b>	<b>12</b>	<b>661</b>	—	—	<b>279</b>	<b>372</b>	<b>10</b>
21	6	—	—	—	6	—	—	—	—	—	—	—
19	10	—	—	—	—	10	5	—	—	—	—	5
≤ 18	623	—	—	255	366	2	656	—	—	279	372	5
												<b>Total trips:</b> 1,300
<b>KAHULUI HARBOR, MAUI, HI</b>												
Inbound												
<b>Grand Total</b>	<b>1,442</b>	<b>55</b>	<b>2</b>	<b>614</b>	<b>656</b>	<b>115</b>	<b>1,449</b>	<b>48</b>	<b>1</b>	<b>622</b>	<b>666</b>	<b>112</b>
FOREIGN												
<b>Total</b>	<b>49</b>	<b>46</b>	<b>2</b>	<b>1</b>	—	—	<b>40</b>	<b>38</b>	<b>1</b>	<b>1</b>	—	—
32	1	1	—	—	—	—	1	1	—	—	—	—
30	1	1	—	—	—	—	—	—	—	—	—	—
28	1	1	—	—	—	—	1	1	—	—	—	—
27	11	11	—	—	—	—	8	8	—	—	—	—
26	4	4	—	—	—	—	4	4	—	—	—	—
25	11	10	—	1	—	—	8	7	—	1	—	—
24	9	9	—	—	—	—	7	7	—	—	—	—
23	2	2	—	—	—	—	2	2	—	—	—	—
22	1	1	—	—	—	—	1	1	—	—	—	—
21	2	1	—	—	—	—	2	1	1	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	1	1	—	—	—	—	1	1	—	—	—	—
≤ 18	5	4	1	—	—	—	4	4	—	—	—	—
DOMESTIC												
<b>Total</b>	<b>1,393</b>	<b>9</b>	—	<b>613</b>	<b>656</b>	<b>115</b>	<b>1,409</b>	<b>10</b>	—	<b>621</b>	<b>666</b>	<b>112</b>
34	—	—	—	—	—	—	1	1	—	—	—	—
33	—	—	—	—	—	—	4	4	—	—	—	—
32	—	—	—	—	—	—	2	2	—	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
25	4	4	—	—	—	—	—	—	—	—	—	—
24	2	2	—	—	—	—	—	—	—	—	—	—
22	1	1	—	—	—	—	—	—	—	—	—	—
21	186	—	—	—	186	—	148	—	—	—	148	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**KAHULUI HARBOR, MAUI, HI - continued**  
Inbound

Outbound

**DOMESTIC**

≤ 18	19	45	—	2	—	613	—	470	45	70	—	2	—	621	—	518	16	96	2,891
------	----	----	---	---	---	-----	---	-----	----	----	---	---	---	-----	---	-----	----	----	-------

**BARBERS POINT HARBOR, OAHU, HI**

Inbound

Outbound

**Grand Total**

Total	1,922	49	123	1,418	47	285	1,827	48	116	1,323	45	295
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**FOREIGN**

Total	119	25	88	3	3	—	118	24	90	2	2	—
52	1	—	1	—	—	—	—	—	—	—	—	—
51	3	—	3	—	—	—	—	—	—	—	—	—
50	1	—	1	—	—	—	—	—	—	—	—	—
49	2	—	2	—	—	—	—	—	—	—	—	—
48	4	—	4	—	—	—	—	—	—	—	—	—
47	7	—	7	—	—	—	—	—	—	—	—	—
46	5	—	5	—	—	—	1	—	1	—	—	—
45	5	—	5	—	—	—	2	—	2	—	—	—
44	3	—	3	—	—	—	1	—	1	—	—	—
43	3	—	3	—	—	—	—	—	—	—	—	—
42	3	—	3	—	—	—	1	—	1	—	—	—
41	6	—	6	—	—	—	—	—	—	—	—	—
40	3	—	3	—	—	—	1	—	1	—	—	—
39	2	—	2	—	—	—	3	2	1	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	—	—	—	—	—	—	1	—	1	—	—	—
36	9	8	1	—	—	—	5	3	2	—	—	—
35	—	—	—	—	—	—	3	—	3	—	—	—
34	3	2	1	—	—	—	10	2	8	—	—	—
33	2	1	1	—	—	—	3	—	3	—	—	—
32	4	2	2	—	—	—	12	—	12	—	—	—
31	1	—	1	—	—	—	3	1	2	—	—	—
30	3	1	2	—	—	—	8	3	5	—	—	—
29	2	—	2	—	—	—	5	1	4	—	—	—
28	1	1	—	—	—	—	16	3	13	—	—	—
27	—	—	—	—	—	—	3	—	3	—	—	—
26	1	—	1	—	—	—	—	—	—	—	—	—
25	12	1	11	—	—	—	6	—	6	—	—	—
24	5	1	4	—	—	—	6	2	4	—	—	—
23	2	1	1	—	—	—	3	2	1	—	—	—
22	—	—	—	—	—	—	7	—	7	—	—	—
21	3	3	—	—	—	—	6	2	4	—	—	—
20	1	—	1	—	—	—	—	—	—	—	—	—
19	1	—	1	—	—	—	3	—	3	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—
17	3	1	2	—	—	—	—	—	—	—	—	—
16	2	1	1	—	—	—	2	—	2	—	—	—
14	1	—	1	—	—	—	2	—	—	—	2	—
13	3	—	3	—	—	—	—	—	—	—	—	—
≤ 12	10	2	2	3	3	—	4	2	—	2	—	—

**DOMESTIC**

Total	1,803	24	35	1,415	44	285	1,709	24	26	1,321	43	295
54	1	—	1	—	—	—	—	—	—	—	—	—
53	1	—	1	—	—	—	—	—	—	—	—	—
52	1	—	1	—	—	—	—	—	—	—	—	—
49	1	—	1	—	—	—	—	—	—	—	—	—
48	5	—	5	—	—	—	—	—	—	—	—	—
47	4	—	4	—	—	—	—	—	—	—	—	—
44	3	—	3	—	—	—	—	—	—	—	—	—
43	4	—	4	—	—	—	—	—	—	—	—	—
42	1	—	1	—	—	—	—	—	—	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
39	1	—	1	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**BARBERS POINT HARBOR, OAHU, HI - continued**  
Inbound

Outbound

**DOMESTIC**

35	1	—	1	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	3	—	3	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	7	—	—	7	—	—
29	1	—	1	—	—	—	3	—	—	3	—	—
28	—	—	—	—	—	—	1	—	—	1	—	—
27	—	—	—	—	—	—	2	—	—	2	—	—
25	—	—	—	—	—	—	1	—	—	1	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—
21	1	—	1	—	—	—	—	—	—	—	—	—
20	2	—	—	2	—	—	4	—	—	4	—	—
19	27	—	—	—	—	27	86	—	—	—	—	86
18	—	—	—	—	—	—	1	—	—	1	—	—
17	20	—	1	—	—	19	60	—	—	—	—	60
16	2	—	—	2	—	—	3	—	—	2	—	1
15	12	—	—	—	—	12	39	—	—	1	—	38
14	14	—	—	11	—	3	18	—	—	15	—	3
13	20	—	—	18	—	2	15	—	—	14	—	1
≤ 12	1,672	24	—	1,382	44	222	1,469	24	11	1,285	43	106
												3,749

**HONOLULU HARBOR, OAHU, HI**

Inbound

Outbound

Grand Total	7,666	2,308	53	2,776	2,116	413	7,593	2,274	66	2,774	2,074	405
-------------	-------	-------	----	-------	-------	-----	-------	-------	----	-------	-------	-----

**FOREIGN**

Total	519	411	50	25	31	2	507	394	62	26	24	1
40	4	—	4	—	—	—	—	—	—	—	—	—
39	1	—	1	—	—	—	1	—	1	—	—	—
38	2	—	1	—	—	—	1	—	—	—	—	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	4	—	2	—	—	—	—	—	—	—	—	—
35	5	—	2	—	—	—	8	3	5	—	—	—
34	14	12	2	—	—	—	17	10	7	—	—	—
33	15	15	—	—	—	—	14	13	1	—	—	—
32	10	9	1	—	—	—	20	15	5	—	—	—
31	11	10	1	—	—	—	7	7	—	—	—	—
30	9	9	—	—	—	—	7	7	—	—	—	—
29	20	18	2	—	—	—	17	15	2	—	—	—
28	18	18	—	—	—	—	28	26	2	—	—	—
27	31	31	—	—	—	—	38	33	5	—	—	—
26	21	17	4	—	—	—	18	16	2	—	—	—
25	34	29	3	1	1	—	33	29	4	—	—	—
24	26	25	1	—	—	—	27	27	—	—	—	—
23	12	10	2	—	—	—	11	11	—	—	—	—
22	16	15	1	—	—	—	21	18	3	—	—	—
21	13	12	1	—	—	—	10	8	2	—	—	—
20	10	7	3	—	—	—	17	13	4	—	—	—
19	31	31	—	—	—	—	34	31	3	—	—	—
≤ 18	210	137	17	24	30	2	178	111	16	26	24	1

**DOMESTIC**

Total	7,147	1,897	3	2,751	2,085	411	7,086	1,880	4	2,748	2,050	404
37	—	—	—	—	—	—	1	—	1	—	—	—
36	13	13	—	—	—	—	—	—	—	—	—	—
35	31	31	—	—	—	—	—	—	—	—	—	—
34	29	29	—	—	—	—	2	2	—	—	—	—
33	23	23	—	—	—	—	5	3	2	—	—	—
32	30	30	—	—	—	—	4	3	1	—	—	—
31	22	22	—	—	—	—	15	15	—	—	—	—
30	80	80	—	—	—	—	73	73	—	—	—	—
29	14	14	—	—	—	—	32	32	—	—	—	—
28	8	8	—	—	—	—	35	35	—	—	—	—
27	37	37	—	—	—	—	62	62	—	—	—	—
26	3	2	1	—	—	—	37	37	—	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**HONOLULU HARBOR, OAHU, HI - continued**  
Inbound

Outbound

DOMESTIC

25	2	1	1	—	—	—	17	17	—	—	—	—
24	6	6	—	—	—	—	2	2	—	—	—	—
23	—	—	—	—	—	—	2	2	—	—	—	—
21	180	—	—	—	180	—	157	1	—	—	156	—
20	860	849	—	11	—	—	861	849	—	12	—	—
19	16	—	4	—	12	—	20	—	—	1	—	19
≤ 18	5,793	752	1	2,736	1,905	399	5,761	747	—	2,735	1,894	385
												<b>Total trips:</b> 15,259

**NAWILIWILI HARBOR, KAUAI, HI**

Inbound

Outbound

<b>Grand Total</b>	<b>647</b>	<b>25</b>	—	<b>256</b>	<b>329</b>	<b>37</b>	<b>638</b>	<b>20</b>	—	<b>253</b>	<b>331</b>	<b>34</b>
--------------------	------------	-----------	---	------------	------------	-----------	------------	-----------	---	------------	------------	-----------

FOREIGN

<b>Total</b>	<b>21</b>	<b>21</b>	—	—	—	—	<b>16</b>	<b>16</b>	—	—	—	—
27	7	7	—	—	—	—	6	6	—	—	—	—
26	5	5	—	—	—	—	4	4	—	—	—	—
25	3	3	—	—	—	—	3	3	—	—	—	—
24	3	3	—	—	—	—	3	3	—	—	—	—
≤ 18	3	3	—	—	—	—	—	—	—	—	—	—

DOMESTIC

<b>Total</b>	<b>626</b>	<b>4</b>	—	<b>256</b>	<b>329</b>	<b>37</b>	<b>622</b>	<b>4</b>	—	<b>253</b>	<b>331</b>	<b>34</b>
34	—	—	—	—	—	—	1	1	—	—	—	—
33	—	—	—	—	—	—	2	2	—	—	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
24	2	2	—	—	—	—	—	—	—	—	—	—
19	25	—	—	—	—	25	9	—	—	—	—	9
≤ 18	598	1	—	256	329	12	610	1	—	253	331	25
												<b>Total trips:</b> 1,285

**HANA HARBOR, MAUI, HI**

No Vessel Trips Reported

**KAILUA HARBOR, OAHU, HI**  
No Vessel Trips Reported

**KALAUPAPA HARBOR, MOLOKAI, HI**  
(15 feet and less)

Inbound

Outbound

<b>Grand Total</b>	<b>20</b>	—	—	<b>1</b>	<b>19</b>	—	<b>20</b>	—	—	<b>1</b>	<b>19</b>	—
												<b>Total trips:</b> 40

**KAUNAKAKAI HARBOR, MOLOKAI, HI**  
(21 feet and less)

Inbound

Outbound

<b>Grand Total</b>	<b>771</b>	—	—	<b>230</b>	<b>541</b>	—	<b>762</b>	—	—	<b>221</b>	<b>541</b>	—
												<b>Total trips:</b> 1,533

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>PORT ALLEN HARBOR, KAUAI, HI</b> (16 feet and less)												
<b>Grand Total</b>	<b>1,040</b>	<b>986</b>	—	<b>49</b>	<b>5</b>	—	<b>1,077</b>	<b>1,016</b>	—	<b>57</b>	<b>4</b>	<b>—</b>
<b>WAKE ISLAND HARBOR, WAKE ISLAND</b> (17 feet and less)												
<b>Grand Total</b>	<b>1</b>	—	—	<b>1</b>	—	—	—	—	—	—	—	<b>1</b>
<b>WELLS HARBOR, MIDWAY ISLAND</b> No Vessel Trips Reported												

## Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	(Enter in Tons)						Self Propelled Vessels						Non-Self Propelled Vessels					
	Self Propelled Vessels			Non-Self Propelled Vessels			Self Propelled Vessels			Non-Self Propelled Vessels								
	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker						

## COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA Upbound

Grand Total	Upbound						Downbound					
	3,054	93	—	1,068	1,208	685	3,240	102	—	1,050	1,228	860
<b>DOMESTIC</b>												
Total	3,054	93	—	1,068	1,208	685	3,240	102	—	1,050	1,228	860
17	10	—	—	—	—	10	1	—	—	—	1	—
16	4	—	—	—	—	4	118	—	—	—	118	—
15	14	—	—	—	—	14	14	—	—	—	14	—
14	131	—	—	—	120	11	337	—	—	—	113	224
13	35	—	—	—	4	31	358	—	—	—	205	153
≤ 12	2,860	93	—	1,068	1,084	615	2,412	102	—	1,050	777	483
<b>Total trips:</b>											<b>6,294</b>	

## SNAKE RIVER, OR, WA AND ID

SNARE RIVER, OR, WA AND ID		Upbound				Downbound							
Grand Total		3,348	559	—	1,275	821	693	3,671	568	—	1,067	1,304	732
<b>DOMESTIC</b>													
<b>Total</b>	<b>3,348</b>	<b>559</b>	<b>—</b>	<b>1,275</b>	<b>821</b>	<b>693</b>	<b>3,671</b>	<b>568</b>	<b>—</b>	<b>1,067</b>	<b>1,304</b>	<b>732</b>	
17	10	—	—	—	—	10	1	—	—	—	—	1	—
16	4	—	—	—	—	4	96	—	—	—	—	96	—
15	14	—	—	—	—	14	8	—	—	—	—	8	—
14	43	—	—	—	32	11	297	—	—	—	—	109	188
13	49	—	—	—	4	45	452	—	—	—	—	316	136
12	65	—	—	—	6	27	32	230	—	—	7	182	41
11	192	44	—	95	—	53	200	44	—	—	76	71	9
10	671	6	—	590	56	19	409	6	—	—	330	69	4
9	236	—	—	213	1	22	326	—	—	—	271	53	2
8	295	60	—	185	—	50	237	64	—	—	154	18	1
7	105	20	—	20	—	65	82	25	—	—	23	33	1
6	52	—	—	19	1	32	31	—	—	—	17	13	1
5	204	—	—	147	—	57	208	—	—	—	189	19	—
4	94	—	—	—	12	82	203	—	—	—	—	25	178
3	702	—	—	—	509	193	407	—	—	—	—	239	168
2	599	416	—	—	179	4	471	416	—	—	—	52	3
1	13	13	—	—	—	—	13	13	—	—	—	—	—
<b>Total trips:</b>												<b>7,019</b>	

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>COLUMBIA RIVER ENTRANCE, OR AND WA</b>												
Upbound												
<b>Grand Total</b>	<b>2,759</b>	<b>1,715</b>	<b>225</b>	<b>409</b>	<b>266</b>	<b>144</b>	<b>2,669</b>	<b>1,711</b>	<b>219</b>	<b>390</b>	<b>243</b>	<b>106</b>
FOREIGN												
Total	1,930	1,694	91	72	56	17	1,943	1,691	96	82	66	8
42	1	1	—	—	—	—	54	47	—	7	—	—
40	4	4	—	—	—	—	30	28	2	—	—	—
39	2	1	1	—	—	—	43	39	4	—	—	—
38	10	9	1	—	—	—	43	41	2	—	—	—
37	17	12	5	—	—	—	84	76	5	2	—	—
36	15	12	3	—	—	—	97	96	1	—	—	—
35	36	26	10	—	—	—	141	137	4	—	—	—
34	39	33	6	—	—	—	105	105	—	—	—	—
33	45	42	3	—	—	—	194	192	2	—	—	—
32	66	63	3	—	—	—	62	59	3	—	—	—
31	68	59	9	—	—	—	85	78	7	—	—	—
30	54	47	7	—	—	—	77	70	2	5	—	—
29	103	98	4	1	—	—	88	86	2	—	—	—
28	100	91	9	—	—	—	93	87	5	1	—	—
27	105	97	7	1	—	—	126	120	6	—	—	—
26	117	113	3	—	—	1	108	100	8	—	—	—
25	116	109	7	—	—	—	83	80	3	—	—	—
24	96	91	5	—	—	—	75	69	6	—	—	—
23	119	117	2	—	—	—	45	42	3	—	—	—
22	156	150	3	—	—	3	44	34	9	—	—	1
21	125	123	1	—	—	1	42	31	10	1	—	—
20	155	126	1	1	26	1	21	17	—	4	—	—
19	109	101	—	4	1	3	203	57	5	69	65	7
≤ 18	272	169	1	65	29	8	—	—	—	—	—	—
DOMESTIC												
Total	829	21	134	337	210	127	726	20	123	308	177	98
43	—	—	—	—	—	—	1	—	1	—	—	—
39	2	—	2	—	—	—	1	—	1	—	—	—
38	6	—	6	—	—	—	2	—	2	—	—	—
37	3	—	3	—	—	—	1	—	1	—	—	—
36	6	—	6	—	—	—	2	—	2	—	—	—
35	12	—	12	—	—	—	—	—	—	—	—	—
34	13	—	13	—	—	—	—	—	—	—	—	—
33	14	—	14	—	—	—	1	—	1	—	—	—
32	11	—	11	—	—	—	1	—	1	—	—	—
31	10	—	10	—	—	—	4	—	4	—	—	—
30	15	—	15	—	—	—	2	—	2	—	—	—
29	10	—	10	—	—	—	8	—	8	—	—	—
28	9	—	9	—	—	—	2	—	2	—	—	—
27	4	—	4	—	—	—	1	—	1	—	—	—
26	5	—	5	—	—	—	7	—	7	—	—	—
25	8	2	6	—	—	—	23	2	21	—	—	—
24	1	—	1	—	—	—	3	—	3	—	—	—
23	6	—	1	—	4	1	8	—	8	—	—	—
22	6	—	3	—	3	—	10	—	10	—	—	—
21	15	—	1	—	—	14	8	—	7	—	—	1
20	59	—	2	44	11	2	68	—	29	39	—	—
19	37	—	—	17	1	19	18	—	—	18	—	—
≤ 18	577	19	—	276	191	91	555	18	12	251	177	97
Total trips:												5,428

**COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY**

Grand Total	Upbound						Downbound					
	36,946	20,871	227	10,648	3,413	1,787	35,761	20,434	227	9,554	3,656	1,890
FOREIGN												
Total	1,919	1,683	91	72	56	17	1,938	1,686	96	82	66	8
40	5	5	—	—	—	—	54	47	7	—	—	—
39	2	1	1	—	—	—	30	28	2	—	—	—
38	10	9	1	—	—	—	43	39	4	—	—	—
37	17	12	5	—	—	—	43	41	2	—	—	—

## Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	Self Propelled Vessels			Non-Self Propelled Vessels		Self Propelled Vessels			Non-Self Propelled Vessels		
	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo

**COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY - continued**  
Upbound

## FOREIGN

36	15	12	3	—	—	—	84	76	5	2	1
35	36	26	10	—	—	—	97	96	1	—	—
34	39	33	6	—	—	—	141	137	4	—	—
33	45	42	3	—	—	—	105	105	2	—	—
32	66	63	3	—	—	—	194	192	—	—	—
31	68	59	9	—	—	—	62	59	3	—	—
30	54	47	7	—	—	—	85	78	7	—	—
29	103	98	4	1	—	—	77	70	2	5	—
28	100	91	9	—	—	—	88	86	2	—	—
27	105	97	7	1	—	—	93	87	5	1	—
26	117	113	3	—	—	1	126	120	6	—	—
25	116	109	7	—	—	—	108	100	8	—	—
24	96	91	5	—	—	—	83	80	3	—	—
23	119	117	2	—	—	—	75	69	6	—	—
22	156	150	3	—	—	3	45	42	3	—	—
21	125	123	1	—	—	1	44	34	9	—	1
20	155	126	1	1	26	1	42	31	10	1	—
19	109	101	—	4	1	3	21	17	—	4	—
18	86	84	—	2	—	—	23	17	5	1	—
17	28	27	—	—	1	—	3	3	—	—	—
16	25	13	—	10	2	—	11	—	—	11	—
15	33	6	—	26	—	1	26	2	—	23	—
14	18	4	—	5	7	2	17	3	—	14	1
13	7	—	—	3	2	2	2	—	—	1	—
12	16	10	—	3	2	1	17	10	—	5	1
11	17	5	—	1	11	—	18	1	—	3	14
10	5	3	—	—	1	1	6	1	—	1	3
9	7	2	—	4	1	—	15	3	—	11	1
8	15	3	1	10	1	—	17	3	—	13	1
7	1	1	—	—	—	—	—	—	—	—	—
6	1	—	—	1	—	—	1	—	—	1	—
4	1	—	—	—	—	1	4	—	—	1	3
3	1	—	—	—	1	—	38	9	—	—	29

## DOMESTIC

Total	35,027	19,188	136	10,576	3,357	1,770	33,823	18,748	131	9,472	3,590	1,882
39	2	—	2	—	—	—	2	—	2	—	—	—
38	6	—	6	—	—	—	2	—	2	—	—	—
37	3	—	3	—	—	—	2	—	2	—	—	—
36	6	—	6	—	—	—	3	—	3	—	—	—
35	12	—	12	—	—	—	—	—	—	—	—	—
34	13	—	13	—	—	—	—	—	—	—	—	—
33	14	—	14	—	—	—	1	—	1	—	—	—
32	11	—	11	—	—	—	1	—	1	—	—	—
31	10	—	10	—	—	—	5	—	5	—	—	—
30	16	—	16	—	—	—	3	—	3	—	—	—
29	11	—	11	—	—	—	8	—	8	—	—	—
28	9	—	9	—	—	—	3	—	3	—	—	—
27	4	—	4	—	—	—	2	—	2	—	—	—
26	5	—	5	—	—	—	7	—	7	—	—	—
25	8	2	6	—	—	—	24	2	22	—	—	—
24	1	—	1	—	—	—	3	—	3	—	—	—
23	6	—	1	—	4	1	9	—	8	—	—	1
22	6	—	3	—	3	—	10	—	10	—	—	—
21	15	—	1	—	—	14	8	—	7	—	—	1
20	64	—	2	49	11	2	70	—	30	40	—	—
19	43	—	—	23	1	19	22	—	—	22	—	—
18	8	—	—	2	—	6	11	—	1	2	—	8
17	28	—	—	6	—	22	18	—	—	5	9	4
16	53	—	—	34	1	18	175	—	1	29	131	14
15	76	—	—	48	1	27	67	—	—	45	21	1
14	124	—	—	42	60	22	519	—	—	54	191	274
13	162	—	—	96	15	51	735	—	—	81	469	185
12	809	—	—	666	75	68	1,165	—	—	661	284	220
11	520	109	—	188	144	79	645	49	—	164	416	16
10	2,392	8	—	2,045	296	43	2,215	8	—	1,878	310	19
9	2,835	1	—	2,558	215	61	2,059	1	—	1,890	149	19
8	1,099	28	—	917	70	84	922	32	10	798	59	23
7	2,461	25	—	2,279	26	131	2,572	29	—	2,448	72	23
6	13,063	12,026	—	849	59	129	12,783	12,026	—	670	58	29
5	1,445	706	—	551	8	180	921	318	—	484	68	51

### Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	(Enter in Tons)											
	Self Propelled Vessels			Non-Self Propelled Vessels			Self Propelled Vessels			Non-Self Propelled Vessels		
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY - continued**  
Upbound

## DOMESTIC

## COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR

Upbound

## Downbound

**Grand Total** 30,009 9,013 258 14,099 4,247 2,392 29,488 8,334 224 14,024 4,643 2,263

## FOREIGN

Total	1,919	1,683	91	72	56	17	1,938	1,686	96	82	66	8
42	1	1	—	—	—	—	54	47	7	—	—	—
40	4	4	—	—	—	—	30	28	2	—	—	—
39	2	1	1	—	—	—	43	39	4	—	—	—
38	10	9	1	—	—	—	43	41	2	—	—	—
37	17	12	5	—	—	—	84	76	5	2	—	—
36	15	12	3	—	—	—	97	96	1	—	—	1
35	36	26	10	—	—	—	141	137	4	—	—	—
34	39	33	6	—	—	—	105	105	—	—	—	—
33	45	42	3	—	—	—	194	192	2	—	—	—
32	66	63	3	—	—	—	62	59	3	—	—	—
31	68	59	9	—	—	—	85	78	7	—	—	—
30	54	47	7	—	—	—	77	70	2	5	—	—
29	103	98	4	1	—	—	88	86	2	—	—	—
28	100	91	9	—	—	—	93	87	5	1	—	—
27	105	97	7	1	—	—	126	120	6	—	—	—
26	117	113	3	—	—	1	108	100	8	—	—	—
25	116	109	7	—	—	—	83	80	3	—	—	—
24	96	91	5	—	—	—	75	69	6	—	—	—
23	119	117	2	—	—	—	45	42	3	—	—	—
22	156	150	3	—	—	3	44	34	9	—	—	—
21	125	123	1	—	—	1	42	31	10	1	—	1
20	155	126	1	1	26	1	21	17	—	4	—	—
19	109	101	—	4	1	3	52	5	69	65	—	7
≤ 18	261	158	1	65	29	8	198	—	—	—	—	—

## DOMESTIC

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT OF ASTORIA, OR**

Grand Total	Inbound						Outbound					
	429	60	5	281	31	52	416	48	1	291	29	47
<b>FOREIGN</b>												
Total	70	27	5	38	—	—	68	23	1	44	—	—
40	—	—	—	—	—	—	1	1	—	—	—	—
38	—	—	—	—	—	—	2	2	—	—	—	—
36	—	—	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
29	3	1	1	1	—	—	5	—	—	5	—	—
28	1	—	1	—	—	—	1	1	—	—	—	—
27	1	—	—	1	—	—	2	—	1	1	—	—
25	2	1	1	—	—	—	—	—	—	—	—	—
24	1	1	—	—	—	—	1	1	—	—	—	—
23	3	3	—	—	—	—	2	2	—	—	—	—
22	2	2	—	—	—	—	2	2	—	—	—	—
20	1	—	—	1	—	—	1	—	—	1	—	—
19	3	—	—	3	—	—	4	—	—	4	—	—
≤ 18	51	19	—	32	—	—	45	12	—	33	—	—
<b>DOMESTIC</b>												
Total	359	33	—	243	31	52	348	25	—	247	29	47
20	7	—	—	7	—	—	12	—	—	12	—	—
19	7	—	—	7	—	—	7	—	—	7	—	—
≤ 18	345	33	—	229	31	52	329	25	—	228	29	47
<b>Total trips:</b>											<b>845</b>	

**PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA**

Grand Total	Inbound						Outbound					
	2,034	3	—	1,827	162	42	1,910	3	—	1,761	120	26
<b>FOREIGN</b>												
Total	22	—	—	9	13	—	41	—	—	20	21	—
≤ 18	22	—	—	9	13	—	41	—	—	20	21	—
<b>DOMESTIC</b>												
Total	2,012	3	—	1,818	149	42	1,869	3	—	1,741	99	26
≤ 18	2,012	3	—	1,818	149	42	1,869	3	—	1,741	99	26
<b>Total trips:</b>											<b>3,944</b>	

**PORT OF LONGVIEW, WA**

Grand Total	Inbound						Outbound					
	1,860	146	—	1,176	448	90	1,796	151	—	1,195	363	87
<b>FOREIGN</b>												
Total	146	146	—	—	—	—	151	151	—	—	—	—
40	1	1	—	—	—	—	1	1	—	—	—	—
39	—	—	—	—	—	—	2	2	—	—	—	—
38	2	2	—	—	—	—	—	—	—	—	—	—
37	1	1	—	—	—	—	4	4	—	—	—	—
36	—	—	—	—	—	—	5	5	—	—	—	—
35	2	2	—	—	—	—	4	4	—	—	—	—
34	3	3	—	—	—	—	14	14	—	—	—	—
33	4	4	—	—	—	—	2	2	—	—	—	—
32	3	3	—	—	—	—	38	38	—	—	—	—
31	3	3	—	—	—	—	5	5	—	—	—	—
30	5	5	—	—	—	—	10	10	—	—	—	—
29	3	3	—	—	—	—	7	7	—	—	—	—
28	9	9	—	—	—	—	12	12	—	—	—	—

### Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	Self Propelled Vessels			Non-Self Propelled Vessels		Self Propelled Vessels			Non-Self Propelled Vessels		
	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo

**PORT OF LONGVIEW, WA - continued**

## Inbound

## Outbound

## FOREIGN

## DOMESTIC

PAGE 1 OF 1

## Inbound

## Outbound

Grand

IGN	1,253	118	19	869	176	71	1,243	114	21	866	174	66
Total	125	118	5	1	1	—	123	114	9	—	—	—
40	—	—	—	—	—	—	32	31	1	—	—	—
39	—	—	—	—	—	—	13	12	1	—	—	—
38	—	—	—	—	—	—	16	14	2	—	—	—
37	1	1	—	—	—	—	6	6	—	—	—	—
36	—	—	—	—	—	—	6	6	—	—	—	—
35	1	1	—	—	—	—	6	6	—	—	—	—
34	—	—	—	—	—	—	8	8	—	—	—	—
33	3	2	1	—	—	—	8	8	—	—	—	—
32	5	3	2	—	—	—	8	8	—	—	—	—
31	2	1	1	—	—	—	1	1	—	—	—	—
30	3	3	—	—	—	—	1	1	—	—	—	—
29	4	4	—	—	—	—	3	2	1	—	—	—
28	3	3	—	—	—	—	4	3	1	—	—	—
27	3	2	1	—	—	—	2	1	1	—	—	—
26	3	3	—	—	—	—	—	—	—	—	—	—
25	10	10	—	—	—	—	1	—	—	—	—	—
24	11	11	—	—	—	—	—	—	—	—	—	—
23	23	23	—	—	—	—	4	3	1	—	—	—
22	15	15	—	—	—	—	2	2	—	—	—	—
21	15	15	—	—	—	—	2	2	—	—	—	—
20	12	12	—	—	—	—	—	—	—	—	—	—
19	5	5	—	—	—	—	—	—	—	—	—	—
18	6	4	—	—	1	1	—	—	—	—	—	—

## DOMESTIC

<b>Total</b>	<b>1,128</b>	—	<b>14</b>	<b>868</b>	<b>175</b>	<b>71</b>	<b>1,120</b>	—	<b>12</b>	<b>866</b>	<b>174</b>	<b>68</b>
43	—	—	—	—	—	—	—	—	—	—	—	—
39	1	—	1	—	—	—	—	—	—	—	—	—
38	—	—	—	—	—	—	—	—	—	—	—	—
37	—	—	—	—	—	—	—	1	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	3	—	3	—	—	—	—	1	—	—	—	—
29	2	—	2	—	—	—	—	2	—	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT OF KALAMA, WA - continued**

Inbound													Outbound					
<b>DOMESTIC</b>																		
28	1	—	1	—	—	—	1	—	1	—	1	—	—	—	—			
27	1	—	1	—	—	—	1	—	1	—	1	—	—	—	—			
26	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—			
25	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—			
24	—	—	—	—	—	—	1	—	1	—	1	—	—	—	—			
23	1	—	1	—	—	—	1	—	1	—	1	—	—	—	—			
22	1	—	1	—	—	—	1	—	1	—	1	—	—	—	—			
20	1	—	—	1	—	—	1	—	—	—	1	—	—	—	—			
≤ 18	1,113	—	—	867	175	71	1,107	—	—	—	865	174	68	Total trips:	2,496			

**MULTNOMAH CHANNEL, OR**

Upbound													Downbound		
Grand Total	922	—	—	475	446	1	923	—	—	448	451	24	—	—	—
<b>DOMESTIC</b>															
Total	922	—	—	475	446	1	923	—	—	448	451	24	—	—	—
14	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—
13	4	—	—	4	—	—	4	—	—	—	3	1	—	—	—
12	2	—	—	2	—	—	4	—	—	—	4	—	—	—	—
10	156	—	—	6	150	—	13	—	—	—	3	10	—	—	—
9	335	—	—	142	193	—	152	—	—	—	142	10	—	—	—
8	78	—	—	16	62	—	30	—	—	—	18	2	10	—	—
7	148	—	—	145	3	—	146	—	—	—	145	1	—	—	—
6	18	—	—	14	4	—	15	—	—	—	11	4	—	—	—
5	144	—	—	144	—	—	116	—	—	—	115	1	—	—	—
4	9	—	—	—	9	—	167	—	—	—	3	164	—	—	—
3	22	—	—	2	20	—	258	—	—	—	4	254	—	—	—
2	6	—	—	5	1	17	—	—	—	—	3	14	—	—	—
														Total trips:	1,845

**OREGON SLOUGH (NORTH PORTLAND HARBOR), OR**

Upbound													Downbound		
Grand Total	2,959	418	10	1,596	775	160	2,736	424	4	1,461	713	134	—	—	—
<b>FOREIGN</b>															
Total	436	418	10	4	—	4	431	424	4	1	2	—	—	—	—
39	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
38	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
37	1	—	1	—	—	—	2	—	2	—	—	—	—	—	—
36	6	6	—	—	—	—	14	14	—	—	—	—	—	—	—
35	7	5	2	—	—	—	12	12	—	—	—	—	—	—	—
34	16	16	—	—	—	—	26	26	—	—	—	—	—	—	—
33	23	23	—	—	—	—	16	16	—	—	—	—	—	—	—
32	37	37	—	—	—	—	37	37	—	—	—	—	—	—	—
31	35	34	1	—	—	—	30	30	—	—	—	—	—	—	—
30	15	15	—	—	—	—	20	19	1	—	—	—	—	—	—
29	31	31	—	—	—	—	21	21	—	—	—	—	—	—	—
28	38	37	1	—	—	—	35	34	1	—	—	—	—	—	—
27	44	44	—	—	—	—	41	41	—	—	—	—	—	—	—
26	45	43	2	—	—	—	45	45	—	—	—	—	—	—	—
25	43	42	1	—	—	—	41	41	—	—	—	—	—	—	—
24	28	28	—	—	—	—	37	37	—	—	—	—	—	—	—
23	24	24	—	—	—	—	24	23	1	—	—	—	—	—	—
22	20	18	—	—	—	2	9	9	—	—	—	—	—	—	—
21	6	6	—	—	—	—	6	6	—	—	—	—	—	—	—
20	2	2	—	—	—	—	4	4	—	—	—	—	—	—	—
19	2	—	—	—	—	2	—	—	—	—	—	—	—	—	—
18	3	3	—	—	—	—	2	2	—	—	—	—	—	—	—
15	2	—	—	2	—	—	—	—	—	—	—	—	—	—	—
14	3	1	—	2	—	—	1	1	—	—	—	—	—	—	—
12	1	1	—	—	—	—	2	2	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**OREGON SLOUGH (NORTH PORTLAND HARBOR), OR - continued**  
Upbound

Downbound

**FOREIGN**

11	1	1	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	1	—	—	—	1	—
9	—	—	—	—	—	—	—	—	—	—	—	—
8	1	1	—	—	—	—	1	1	—	—	—	—
3	—	—	—	—	—	—	1	—	—	—	1	—

**DOMESTIC**

<b>Total</b>	<b>2,523</b>	—	—	<b>1,592</b>	<b>775</b>	<b>156</b>	<b>2,305</b>	—	—	<b>1,460</b>	<b>711</b>	<b>134</b>
14	25	—	—	—	25	—	24	—	—	—	24	—
13	1	—	—	—	1	—	3	—	—	—	3	—
12	171	—	—	169	2	—	209	—	—	174	35	—
11	9	—	—	9	—	—	11	—	—	11	—	—
10	559	—	—	466	86	7	486	—	—	380	91	15
9	514	—	—	466	40	8	486	—	—	455	—	31
8	219	—	—	182	30	7	152	—	—	148	4	—
7	199	—	—	118	69	12	120	—	—	118	2	—
6	165	—	—	98	55	12	99	—	—	98	1	—
5	66	—	—	24	35	7	40	—	—	20	19	1
4	109	—	—	58	37	14	245	—	—	54	190	1
3	320	—	—	2	301	17	285	—	—	2	261	22
2	166	—	—	—	94	72	145	—	—	—	81	64
<b>Total trips:</b>											<b>5,695</b>	

**PORT OF VANCOUVER, WA**

Inbound

<b>Grand Total</b>	<b>4,358</b>	<b>371</b>	<b>19</b>	<b>2,984</b>	<b>486</b>	<b>498</b>	<b>4,270</b>	<b>375</b>	<b>21</b>	<b>3,090</b>	<b>356</b>	<b>428</b>
--------------------	--------------	------------	-----------	--------------	------------	------------	--------------	------------	-----------	--------------	------------	------------

**FOREIGN**

<b>Total</b>	<b>297</b>	<b>282</b>	<b>15</b>	—	—	—	<b>308</b>	<b>287</b>	<b>17</b>	<b>2</b>	<b>1</b>	<b>1</b>
40	1	1	—	—	—	—	4	3	1	—	—	—
39	—	—	—	—	—	—	5	4	1	—	—	—
38	1	1	—	—	—	—	9	8	1	—	—	—
37	4	4	—	—	—	—	9	9	—	—	—	—
36	3	3	—	—	—	—	15	13	—	1	—	—
35	10	10	—	—	—	—	23	23	—	—	—	—
34	3	3	—	—	—	—	29	29	—	—	—	—
33	5	4	1	—	—	—	26	26	—	—	—	—
32	6	5	1	—	—	—	21	20	1	—	—	—
31	7	7	—	—	—	—	9	9	—	—	—	—
30	11	11	—	—	—	—	19	19	—	—	—	—
29	14	13	1	—	—	—	8	8	—	—	—	—
28	12	9	3	—	—	—	8	8	—	—	—	—
27	18	15	3	—	—	—	16	14	2	—	—	—
26	28	27	1	—	—	—	24	23	1	—	—	—
25	17	17	—	—	—	—	21	17	4	—	—	—
24	18	18	—	—	—	—	16	14	2	—	—	—
23	16	15	1	—	—	—	10	10	—	—	—	—
22	32	30	2	—	—	—	11	11	—	—	—	—
21	27	26	1	—	—	—	6	5	1	—	—	—
20	17	16	1	—	—	—	8	6	2	—	—	—
19	27	27	—	—	—	—	4	4	—	—	—	—
≤ 18	20	20	—	—	—	—	7	4	1	1	—	1

**DOMESTIC**

<b>Total</b>	<b>4,061</b>	<b>89</b>	<b>4</b>	<b>2,984</b>	<b>486</b>	<b>498</b>	<b>3,962</b>	<b>88</b>	<b>4</b>	<b>3,088</b>	<b>355</b>	<b>427</b>
37	1	—	1	—	—	—	1	—	1	—	—	—
32	1	—	1	—	—	—	1	—	1	—	—	—
30	1	—	1	—	—	—	1	—	1	—	—	—
27	—	—	—	—	—	—	1	—	1	—	—	—
26	—	—	—	—	—	—	1	—	1	—	—	—
25	3	2	1	—	—	—	2	2	—	—	—	—
23	1	—	—	—	—	1	1	—	—	—	—	1
19	2	—	—	2	—	—	2	—	—	2	—	—
≤ 18	4,052	87	—	2,982	486	497	3,953	86	—	3,086	355	426
<b>Total trips:</b>											<b>8,628</b>	

## Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	Self Propelled Vessels						Non-Self Propelled Vessels		Self Propelled Vessels						Non-Self Propelled Vessels
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker			

## COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR Upbound

**COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND WA**

Grand Total	Upbound						Downbound					
	3,777	92	—	962	1,723	1,000	3,842	101	—	965	1,712	1,064
<b>DOMESTIC</b>												
<b>Total</b>	<b>3,777</b>	<b>92</b>	<b>—</b>	<b>962</b>	<b>1,723</b>	<b>1,000</b>	<b>3,842</b>	<b>101</b>	<b>—</b>	<b>965</b>	<b>1,712</b>	<b>1,064</b>
17	11	—	—	—	—	11	1	—	—	—	1	—
16	5	—	—	—	—	5	128	—	—	—	128	—
15	20	—	—	—	—	20	16	—	—	—	16	—
14	36	—	—	—	21	15	394	—	—	—	134	260
13	47	—	—	—	4	43	418	—	—	—	305	113
12	140	—	—	39	36	65	367	—	—	37	126	204
11	224	44	—	117	2	61	315	44	—	106	151	14
10	315	6	—	168	104	37	387	6	—	161	208	12
9	138	—	—	85	2	51	140	—	—	73	59	8
8	361	22	—	277	4	58	326	26	—	248	50	2
7	145	20	—	40	2	83	131	25	—	46	58	2
6	157	—	—	15	61	81	46	—	—	19	20	7
5	456	—	—	221	126	109	314	—	—	275	34	5
4	418	—	—	—	304	114	240	—	—	—	34	206
3	929	—	—	—	711	218	480	—	—	—	290	190
2	375	—	—	—	346	29	139	—	—	—	98	41
										<b>Total trips:</b>		
										<b>7,619</b>		

PORT OF PORTLAND, OR

PORT OF PORTLAND, OR		Inbound						Outbound					
Grand Total		17,302	1,637	202	10,535	2,941	1,987	17,263	1,637	200	10,505	3,050	1,871
FOREIGN													
Total	1,145	1,012	65	17	34	17	1,143	1,016	68	15	37	7	
42	1	1	—	—	—	—	—	—	—	—	—	—	
40	1	1	—	—	—	—	15	10	5	—	—	—	
39	1	—	1	—	—	—	9	9	—	—	—	—	
38	1	—	1	—	—	—	13	12	1	—	—	—	
37	8	3	5	—	—	—	20	18	2	—	—	—	
36	11	8	3	—	—	—	53	47	5	1	—	—	
35	23	13	10	—	—	—	58	57	1	—	—	—	
34	32	27	5	—	—	—	80	76	4	—	—	—	
33	32	32	—	—	—	—	55	55	—	—	—	—	
32	52	52	—	—	—	—	107	107	—	—	—	—	
31	55	48	7	—	—	—	46	43	3	—	—	—	
30	35	28	7	—	—	—	44	37	7	—	—	—	
29	77	75	2	—	—	—	51	50	1	—	—	—	

### Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	(Enter in Tons)						Self Propelled Vessels						Non-Self Propelled Vessels					
	Self Propelled Vessels						Non-Self Propelled Vessels		Self Propelled Vessels						Non-Self Propelled Vessels			
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker						

**PORT OF PORTLAND, OR - continued**

## Inbound

## Outbound

## FOREIGN

28	73	68	5	—	—	—	62	61	1	—	—	—	—
27	72	69	3	—	—	—	70	69	1	—	—	—	—
26	73	70	2	—	—	1	90	85	5	—	—	—	—
25	74	68	6	—	—	—	79	76	3	—	—	—	—
24	52	47	5	—	—	—	55	54	1	—	—	—	—
23	60	59	1	—	—	—	48	43	5	—	—	—	—
22	85	81	1	—	—	3	23	20	3	—	—	—	—
21	60	59	—	—	—	1	31	22	8	—	—	—	1
20	98	71	—	—	26	1	29	21	8	—	—	—	—
19	53	49	—	—	1	3	10	10	—	—	—	—	—
18	116	83	1	17	7	8	95	34	4	14	37	—	6

## DOMESTIC

## WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

## Upbound

## Downbound

Grand

Total 3,963 328 — 2,202 1,433 — 3,914 268 — 2,201 1,445 —

## DOMESTIC

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels			
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker		
<b>COOS BAY, OR</b>														
Inbound														
<b>Grand Total</b>	<b>1,586</b>	<b>92</b>	—	<b>1,125</b>	<b>356</b>	<b>13</b>	<b>1,578</b>	<b>91</b>	—	<b>1,101</b>	<b>379</b>	<b>7</b>		
FOREIGN														
Total	124	92	—	10	22	—	122	91	—	11	20	—		
36	—	—	—	—	—	—	1	1	—	—	—	—		
35	—	—	—	—	—	—	4	4	—	—	—	—		
34	—	—	—	—	—	—	15	15	—	—	—	—		
33	2	2	—	—	—	—	19	19	—	—	—	—		
32	—	—	—	—	—	—	9	9	—	—	—	—		
31	—	—	—	—	—	—	3	3	—	—	—	—		
30	—	—	—	—	—	—	2	2	—	—	—	—		
29	4	4	—	—	—	—	5	5	—	—	—	—		
28	9	9	—	—	—	—	6	6	—	—	—	—		
27	11	11	—	—	—	—	7	7	—	—	—	—		
26	13	13	—	—	—	—	5	5	—	—	—	—		
25	14	14	—	—	—	—	1	1	—	—	—	—		
24	12	12	—	—	—	—	4	4	—	—	—	—		
23	7	7	—	—	—	—	3	3	—	—	—	—		
22	6	6	—	—	—	—	4	4	—	—	—	—		
21	1	1	—	—	—	—	—	—	—	—	—	—		
20	5	3	—	2	—	—	3	—	—	2	1	—		
19	7	5	—	2	—	—	3	2	—	1	—	—		
18	5	2	—	1	2	—	1	—	—	1	—	—		
17	3	2	—	—	1	—	3	—	—	1	2	—		
16	2	—	—	—	2	—	2	—	—	2	—	—		
15	11	—	—	3	8	—	8	—	—	1	7	—		
14	4	—	—	—	4	—	2	—	—	—	2	—		
13	2	—	—	2	—	—	3	—	—	3	—	—		
≤ 12	6	1	—	—	5	—	9	1	—	—	8	—		
<b>DOMESTIC</b>														
<b>Total</b>	<b>1,462</b>	—	—	<b>1,115</b>	<b>334</b>	<b>13</b>	<b>1,456</b>	—	—	<b>1,090</b>	<b>359</b>	<b>7</b>		
20	14	—	—	14	—	—	9	—	—	9	—	—		
19	9	—	—	9	—	—	14	—	—	14	—	—		
18	3	—	—	3	—	—	1	—	—	1	—	—		
17	—	—	—	—	—	—	1	—	—	—	1	—		
16	18	—	—	18	—	—	28	—	—	23	5	—		
15	22	—	—	22	—	—	25	—	—	16	9	—		
14	84	—	—	45	38	1	80	—	—	32	47	1		
13	22	—	—	21	1	—	22	—	—	15	7	—		
≤ 12	1,290	—	—	983	295	12	1,276	—	—	980	290	6		
<b>Total trips:</b>											<b>3,164</b>			
<b>COLUMBIA RIVER SYSTEM</b>														
Upbound														
<b>Grand Total</b>	<b>33,665</b>	<b>9,962</b>	<b>258</b>	<b>15,810</b>	<b>5,139</b>	<b>2,496</b>	<b>32,707</b>	<b>9,682</b>	<b>224</b>	<b>15,343</b>	<b>5,092</b>	<b>2,366</b>		
FOREIGN														
Total	1,930	1,694	91	72	56	17	1,943	1,691	96	82	66	8		
42	1	1	—	—	—	—	54	47	7	—	—	—		
40	4	4	—	—	—	—	30	28	2	—	—	—		
39	2	1	1	—	—	—	43	39	4	—	—	—		
38	10	9	1	—	—	—	43	41	2	—	—	—		
37	17	12	5	—	—	—	84	76	5	2	—	—		
36	15	12	3	—	—	—	97	96	1	—	—	—		
35	36	26	10	—	—	—	141	137	4	—	—	—		
34	39	33	6	—	—	—	105	105	—	—	—	—		
33	45	42	3	—	—	—	194	192	2	—	—	—		
32	66	63	3	—	—	—	62	59	3	—	—	—		
31	68	59	9	—	—	—	85	78	7	—	—	—		
30	54	47	7	—	—	—	77	70	2	5	—	—		
29	103	98	4	1	—	—	88	86	2	—	—	—		
28	100	91	9	—	—	—	93	87	5	1	—	—		
27	105	97	7	1	—	—	126	120	6	—	—	—		
26	117	113	3	—	—	1	108	100	8	—	—	—		
25	116	109	7	—	—	—	83	80	3	—	—	—		
24	96	91	5	—	—	—	75	69	6	—	—	—		
23	119	117	2	—	—	—	45	42	3	—	—	—		
22	156	150	3	—	—	3	44	34	9	—	—	1		

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>COLUMBIA RIVER SYSTEM - continued</b>												
Upbound												
FOREIGN												
20	155	126	1	1	26	1	42	31	10	1	—	—
19	109	101	—	4	1	3	21	17	—	4	—	—
18	86	84	—	2	—	—	23	17	5	1	—	—
17	28	27	—	—	1	—	3	3	—	—	—	—
16	25	13	—	10	2	—	11	—	—	11	—	—
15	33	6	—	26	—	1	26	2	—	23	—	1
14	18	4	—	5	7	2	17	3	—	—	14	—
13	7	—	—	3	2	2	2	—	—	1	—	1
12	16	10	—	3	2	1	17	10	—	5	1	1
11	17	5	—	1	11	—	18	1	—	3	14	—
10	6	4	—	—	1	1	7	2	—	1	3	1
9	13	8	—	4	1	—	16	4	—	11	1	—
8	19	7	1	10	1	—	20	6	—	13	1	—
7	1	1	—	—	—	—	—	—	—	—	—	—
6	1	—	—	1	—	—	1	—	—	—	1	—
4	1	—	—	—	—	1	4	—	—	—	1	3
3	1	—	—	—	1	—	38	9	—	—	29	—
DOMESTIC												
<b>Total</b>	<b>31,735</b>	<b>8,268</b>	<b>167</b>	<b>15,738</b>	<b>5,083</b>	<b>2,479</b>	<b>30,764</b>	<b>7,991</b>	<b>128</b>	<b>15,261</b>	<b>5,026</b>	<b>2,358</b>
43	—	—	—	—	—	—	1	—	1	—	—	—
39	2	—	2	—	—	—	3	—	3	—	—	—
38	8	—	8	—	—	—	4	—	4	—	—	—
37	4	—	4	—	—	—	2	—	2	—	—	—
36	7	—	7	—	—	—	4	—	4	—	—	—
35	14	—	14	—	—	—	—	—	—	—	—	—
34	15	—	15	—	—	—	—	—	—	—	—	—
33	14	—	14	—	—	—	1	—	1	—	—	—
32	14	—	14	—	—	—	2	—	2	—	—	—
31	12	—	12	—	—	—	5	—	5	—	—	—
30	19	—	19	—	—	—	4	—	4	—	—	—
29	12	—	12	—	—	—	8	—	8	—	—	—
28	7	—	7	—	—	—	2	—	2	—	—	—
27	6	—	6	—	—	—	1	—	1	—	—	—
26	9	—	9	—	—	—	7	—	7	—	—	—
25	14	2	12	—	—	—	24	2	22	—	—	—
24	—	—	—	—	—	—	2	—	2	—	—	—
23	9	—	3	—	4	2	10	—	10	—	—	—
22	7	—	4	—	3	—	15	7	—	4	—	—
21	18	—	3	—	—	—	15	—	6	—	—	1
20	72	—	2	57	11	2	69	—	29	40	—	—
19	46	—	—	25	1	20	21	—	—	21	—	—
18	10	—	—	2	—	8	13	—	1	2	—	10
17	37	—	—	6	—	31	16	—	—	5	9	2
16	134	—	—	35	80	19	97	—	1	29	53	14
15	89	—	—	52	11	26	58	—	—	44	13	1
14	389	—	—	44	159	186	281	—	—	52	119	110
13	531	—	—	112	269	150	445	—	—	79	215	151
12	1,421	—	—	1,110	190	121	1,450	—	—	1,109	171	170
11	724	109	—	222	344	49	537	49	—	222	217	49
10	3,706	14	—	3,255	402	35	3,497	2	—	3,255	205	35
9	3,653	1	—	3,342	265	45	3,487	1	—	3,342	99	45
8	1,408	97	—	1,128	117	66	1,295	56	9	1,127	37	66
7	3,382	148	—	3,054	86	94	3,272	112	—	3,054	12	94
6	2,269	323	—	1,768	84	94	2,095	197	—	1,769	34	95
5	1,966	862	—	793	176	135	2,747	862	—	435	1,316	134
4	1,355	—	—	661	367	327	2,038	—	—	670	1,041	327
3	8,044	6,282	—	72	1,192	498	7,978	6,282	—	6	1,192	498
2	2,289	417	—	—	1,316	556	1,261	415	—	—	290	556
1	19	13	—	—	6	—	16	13	—	3	—	—
<b>Total trips:</b>												<b>66,372</b>

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**ALSEA BAY AND RIVER, OR**  
No Vessel Trips Reported

**CHETCO RIVER, OR**  
(7 feet and less)

Grand Total	Upbound						Downbound					
	93	—	—	24	69	—	93	—	—	23	70	—

**CHINOOK CHANNEL, WA**  
(7 feet and less)

Grand Total	Upbound						Downbound					
	226	—	—	1	225	—	227	—	—	1	226	—

**CLATSASKANIE RIVER, OR**  
(5 feet and less)

Grand Total	Upbound						Downbound					
	3	—	—	1	2	—	—	—	—	—	—	—

**COLUMBIA RIVER AT BAKERS BAY, WA**  
(10 feet and less)

Grand Total	Upbound						Downbound					
	237	11	—	—	226	—	234	5	—	3	226	—

**COLUMBIA SLOUGH, OR**  
No Vessel Trips Reported

**COOS AND MILLICOMA RIVERS, OR**  
(7 feet and less)

Grand Total	Upbound						Downbound					
	7	—	—	7	—	—	7	—	—	7	—	—

**COQUILLE RIVER, OR**  
No Vessel Trips Reported

**COWLITZ RIVER, WA**  
(7 feet and less)

Grand Total	Upbound						Downbound					
	8	—	—	4	4	—	11	—	—	5	6	—

**DEEP RIVER, WA**  
No Vessel Trips Reported

**DEPOE BAY, OR**  
No Vessel Trips Reported

**ELOKOMIN SLOUGH, WA**  
No Vessel Trips Reported

**GRAYS RIVER, WA**  
No Vessel Trips Reported

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels			Non-Self Propelled Vessels		Self Propelled Vessels			Non-Self Propelled Vessels			
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>LAKE RIVER, WA</b> (7 feet and less)												
Grand Total	31	—	—	—	31	—	—	19	—	—	19	—
Total trips: 19      50												
<b>LEWIS RIVER, WA</b> No Vessel Trips Reported												
<b>PORT OF ST. HELENS, OR</b> (14 feet and less)												
Grand Total	9	—	—	—	7	2	—	6	—	—	4	2
Total trips: 4      15												
<b>PORT ORFORD, OR</b> No Vessel Trips Reported												
<b>ROGUE RIVER, OR</b> (2 feet and less)												
Grand Total	1,540	1,540	—	—	—	—	—	1,540	1,540	—	—	3,080
<b>SIUSLAW RIVER, OR</b> No Vessel Trips Reported												
<b>SKAMOKAWA (STEAMBOAT) SLOUGH, WA</b> No Vessel Trips Reported												
<b>SKAMOKAWA CREEK, WA</b> (8 feet and less)												
Grand Total	—	—	—	—	—	—	—	1	—	—	1	—
Total trips: 1      1												
<b>SKIPANON CHANNEL, OR</b> (13 feet and less)												
Grand Total	50	—	—	—	36	14	—	53	—	—	44	9
Total trips: 44      103												
<b>SMITH RIVER, OR</b> No Vessel Trips Reported												
<b>TILLAMOOK BAY AND BAR, OR</b> No Vessel Trips Reported												
<b>UMPQUA RIVER, OR</b> (11 feet and less)												
Grand Total	314	—	—	—	155	159	—	302	—	—	155	147
Total trips: 155      616												

## Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	(Enter in Tons)						Self Propelled Vessels						Non-Self Propelled Vessels					
	Self Propelled Vessels			Non-Self Propelled Vessels			Self Propelled Vessels			Non-Self Propelled Vessels								
	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker						

**WESTPORT SLOUGH, OR**  
(11 feet and less)

	Upbound						Downbound						
Grand Total	6,289	6,282	—	5	1	1	6,293	6,282	—	6	4	Total trips:	12,582

**YAQUINA BAY AND HARBOR, OR**  
(13 feet and less)

	Upbound				Downbound							
Grand Total	114	—	—	33	81	—	111	—	—	32	79	—
Total trips:										225		

**YAQUINA RIVER, OR**  
(7 feet and less)

	Upbound						Downbound							
Grand Total	80	—	—	1	79	—	79	—	—	—	79	—	Total trips:	159

**YOUNGS BAY AND YOUNGS RIVER, OR  
(12 feet and less)**

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>GRAYS HARBOR AND CHEHALIS RIVER, WA</b>												
Inbound												
<b>Grand Total</b>	<b>1,207</b>	<b>83</b>	—	<b>627</b>	<b>495</b>	<b>2</b>	<b>1,338</b>	<b>85</b>	—	<b>696</b>	<b>545</b>	<b>12</b>
<b>FOREIGN</b>												
Total	85	83	—	1	1	—	87	85	—	—	1	1
36	—	—	—	—	—	—	1	1	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	3	3	—	—	—	—
33	—	—	—	—	—	—	16	16	—	—	—	—
32	—	—	—	—	—	—	12	12	—	—	—	—
30	3	3	—	—	—	—	3	3	—	—	—	—
29	1	1	—	—	—	—	1	1	—	—	—	—
28	1	1	—	—	—	—	2	2	—	—	—	—
27	6	6	—	—	—	—	8	8	—	—	—	—
26	7	7	—	—	—	—	13	13	—	—	—	—
25	1	1	—	—	—	—	3	3	—	—	—	—
24	11	11	—	—	—	—	6	6	—	—	—	—
23	4	4	—	—	—	—	3	3	—	—	—	—
22	—	—	—	—	—	—	2	2	—	—	—	—
21	7	7	—	—	—	—	1	1	—	—	—	—
20	9	9	—	—	—	—	2	2	—	—	—	—
19	13	13	—	—	—	—	—	—	—	—	—	—
18	9	9	—	—	—	—	—	—	—	—	—	—
17	2	2	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	10	8	—	1	1	—	10	8	—	—	1	1
<b>DOMESTIC</b>												
<b>Total</b>	<b>1,122</b>	—	—	<b>626</b>	<b>494</b>	<b>2</b>	<b>1,251</b>	—	—	<b>696</b>	<b>544</b>	<b>11</b>
20	2	—	—	2	—	—	2	—	—	2	—	—
19	4	—	—	4	—	—	4	—	—	4	—	—
17	2	—	—	2	—	—	8	—	—	3	5	—
16	4	—	—	4	—	—	8	—	—	4	1	3
15	4	—	—	3	1	—	11	—	—	9	2	—
14	14	—	—	10	4	—	22	—	—	16	5	1
13	20	—	—	19	1	—	49	—	—	34	15	—
≤ 12	1,072	—	—	582	488	2	1,147	—	—	624	516	7
<b>Total trips:</b>												<b>2,545</b>
<b>PORT ANGELES HARBOR, WA</b>												
Inbound												
<b>Grand Total</b>	<b>1,862</b>	<b>34</b>	<b>20</b>	<b>1,341</b>	<b>225</b>	<b>242</b>	<b>1,857</b>	<b>40</b>	<b>14</b>	<b>1,336</b>	<b>243</b>	<b>224</b>
<b>FOREIGN</b>												
Total	239	32	9	100	98	—	256	39	7	104	103	3
45	—	—	—	—	—	—	2	—	2	—	—	—
44	2	—	2	—	—	—	—	—	—	—	—	—
43	1	—	1	—	—	—	—	—	—	—	—	—
42	—	—	—	—	—	—	3	1	2	—	—	—
41	—	—	—	—	—	—	1	—	—	1	—	—
40	—	—	—	—	—	—	1	—	—	—	—	—
36	—	—	—	—	—	—	1	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	2	2	—	—	—	—
32	1	1	—	—	—	—	5	5	—	—	—	—
31	—	—	—	—	—	—	1	1	—	—	—	—
30	2	1	1	—	—	—	5	5	—	—	—	—
29	1	1	—	—	—	—	3	3	—	—	—	—
28	3	—	1	1	1	—	4	2	—	1	1	—
27	—	—	—	—	—	—	1	1	—	—	—	—
26	—	—	—	—	—	—	1	—	1	—	—	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	9	7	1	1	—	—	7	5	—	2	—	—
23	3	2	1	—	—	—	1	—	—	—	—	—
22	1	1	—	—	—	—	3	2	—	1	—	—
21	2	2	—	—	—	—	—	1	—	—	—	—
20	1	1	—	—	—	—	2	1	—	1	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PORT ANGELES HARBOR, WA - continued**  
Inbound

Outbound

FOREIGN

≤ 18	19	3	208	3	13	—	—	98	—	97	—	1	1	8	—	—	98	—	102	—	3
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DOMESTIC

<b>Total</b>	<b>1,623</b>	<b>2</b>	<b>11</b>	<b>1,241</b>	<b>127</b>	<b>242</b>	<b>1,601</b>	<b>1</b>	<b>7</b>	<b>1,232</b>	<b>140</b>	<b>221</b>
43	1	—	1	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	1	—	—	—	—
22	257	—	—	257	—	—	253	—	—	253	—	—
19	16	—	—	9	—	7	13	—	—	11	—	2
≤ 18	1,347	2	8	975	127	235	1,334	1	6	968	140	219

**Total trips:** 3,719

**PORT TOWNSEND HARBOR, WA**

Inbound

Outbound

<b>Grand Total</b>	<b>5,055</b>	<b>4,798</b>	<b>—</b>	<b>134</b>	<b>105</b>	<b>18</b>	<b>5,033</b>	<b>4,794</b>	<b>—</b>	<b>130</b>	<b>93</b>	<b>16</b>
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FOREIGN

<b>Total</b>	<b>51</b>	<b>2</b>	<b>—</b>	<b>16</b>	<b>33</b>	<b>—</b>	<b>39</b>	<b>39</b>	<b>1</b>	<b>—</b>	<b>14</b>	<b>24</b>	<b>—</b>
20	51	2	—	16	33	—	39	39	1	—	14	24	—

DOMESTIC

<b>Total</b>	<b>5,004</b>	<b>4,796</b>	<b>—</b>	<b>118</b>	<b>72</b>	<b>18</b>	<b>4,994</b>	<b>4,793</b>	<b>—</b>	<b>116</b>	<b>69</b>	<b>16</b>
20	5,004	4,796	—	118	72	18	4,994	4,793	—	116	69	16

**Total trips:** 10,088

**HAMMERSLEY INLET, WA**

Upbound

Downbound

<b>Grand Total</b>	<b>431</b>	<b>1</b>	<b>—</b>	<b>227</b>	<b>203</b>	<b>—</b>	<b>442</b>	<b>—</b>	<b>—</b>	<b>253</b>	<b>189</b>	<b>—</b>
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FOREIGN

<b>Total</b>	<b>1</b>	<b>1</b>	<b>—</b>									
13	1	1	—	—	—	—	—	—	—	—	—	—

DOMESTIC

<b>Total</b>	<b>430</b>	<b>—</b>	<b>—</b>	<b>227</b>	<b>203</b>	<b>—</b>	<b>442</b>	<b>—</b>	<b>—</b>	<b>253</b>	<b>189</b>	<b>—</b>
13	8	—	—	—	8	—	—	—	—	—	—	—
12	1	—	—	1	—	—	1	—	—	1	—	—
10	178	—	—	178	—	—	202	—	—	202	—	—
9	8	—	—	8	—	—	9	—	—	9	—	—
8	26	—	—	24	2	—	36	—	—	27	9	—
7	3	—	—	3	—	—	41	—	—	4	37	—
≤ 6	206	—	—	13	193	—	153	—	—	10	143	873

**Total trips:** 873

**OLYMPIA HARBOR, WA**

Inbound

Outbound

<b>Grand Total</b>	<b>212</b>	<b>7</b>	<b>—</b>	<b>152</b>	<b>52</b>	<b>1</b>	<b>216</b>	<b>7</b>	<b>—</b>	<b>148</b>	<b>60</b>	<b>1</b>
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FOREIGN

<b>Total</b>	<b>13</b>	<b>7</b>	<b>—</b>	<b>3</b>	<b>3</b>	<b>—</b>	<b>11</b>	<b>7</b>	<b>—</b>	<b>1</b>	<b>3</b>	<b>—</b>
32	—	—	—	—	—	—	4	4	—	1	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—

## Trips and Drafts of Vessels, 1999 (draft in feet)

TACOMA HARBOR, WA

Grand Total	Inbound							Outbound				
	17,701	9,095	95	6,521	843	1,147	17,388	8,788	88	6,505	838	1,169
<b>FOREIGN</b>												
Total	1,402	841	37	237	239	48	1,461	867	37	252	249	56
47	1	1	—	—	—	—	—	—	—	—	—	—
46	—	—	—	—	—	—	1	1	—	—	—	—
43	1	1	—	—	—	—	5	3	2	—	—	—
42	1	1	—	—	—	—	12	12	—	—	—	—
41	3	3	—	—	—	—	12	12	—	—	—	—
40	2	2	—	—	—	—	27	27	—	—	—	—
39	5	4	1	—	—	—	26	26	—	—	—	—
38	4	4	—	—	—	—	33	33	—	—	—	—
37	12	12	—	—	—	—	10	10	—	—	—	—
36	31	31	—	—	—	—	58	58	—	—	—	—
35	30	30	—	—	—	—	20	20	—	—	—	—
34	56	56	—	—	—	—	53	53	—	—	—	—
33	51	50	1	—	—	—	44	44	—	—	—	—
32	56	56	—	—	—	—	102	102	—	—	—	—
31	49	49	—	—	—	—	31	30	1	—	—	—
30	54	54	—	—	—	—	44	43	1	—	—	—
29	26	26	—	—	—	—	19	17	2	—	—	—
28	30	27	3	—	—	—	54	51	3	—	—	—
27	38	37	1	—	—	—	35	32	3	—	—	—
26	71	68	3	—	—	—	65	64	1	—	—	—
25	38	37	1	—	—	—	31	30	1	—	—	—
24	62	57	5	—	—	—	47	43	4	—	—	—
23	52	48	4	—	—	—	50	40	9	—	—	1
22	29	26	3	—	—	—	16	15	1	—	—	—
21	33	31	2	—	—	—	19	17	2	—	—	—
20	39	33	6	—	—	—	12	10	1	—	1	—
19	13	10	1	1	1	—	10	10	—	—	—	—
18	26	23	2	1	—	—	9	5	3	—	1	—
17	8	4	2	—	2	—	3	—	2	—	1	—
16	18	3	—	2	13	—	62	4	1	1	52	4
15	44	24	2	—	17	1	21	19	—	—	2	—
14	38	4	—	22	9	3	38	4	—	22	1	11
13	14	1	—	10	2	1	49	2	—	15	28	4
12	467	28	—	201	195	43	443	30	—	214	163	36

## DOMESTIC

Total	16,299	8,254	58	6,284	604	1,099	15,927	7,921	51	6,253	589	1,113
47	2	—	2	—	—	—	—	—	—	—	—	—
41	1	—	1	—	—	—	—	—	—	—	—	—
40	1	—	1	—	—	—	1	—	1	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	7	—	7	—	—	—	—	—	—	—	—	—
35	5	—	5	—	—	—	5	—	4	—	—	—
34	—	—	—	—	—	—	2	2	—	—	—	—
33	1	—	1	—	—	—	7	7	—	—	—	—
32	1	—	1	—	—	—	15	15	—	—	—	—

## Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	Self Propelled Vessels			Non-Self Propelled Vessels		Self Propelled Vessels			Non-Self Propelled Vessels		
	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Drv Cargo	Tanker	Tow or Tug	Dry Cargo

**TACOMA HARBOR, WA - continued**

## Inbound

## Outbound

## DOMESTIC

## SEATTLE HARBOR, WA

## Inbound

## Outbound

Total

Total	2,480	922	10	805	714	29	2,834	1,032	12	872	880	38
38	66	65	—	1	—	—	77	76	1	—	—	—
37	21	20	1	—	—	—	33	32	1	—	—	—
36	44	44	—	—	—	—	92	92	—	—	—	—
35	36	36	—	—	—	—	15	13	—	—	—	2
34	58	55	1	1	—	1	—	32	32	—	—	—
33	74	73	1	—	—	—	22	20	2	—	—	—
32	80	80	—	—	—	—	173	172	1	—	—	—
31	52	52	—	—	—	—	33	33	—	—	—	—
30	58	57	1	—	—	—	25	25	—	—	—	—
29	34	34	—	—	—	—	61	61	—	—	—	—
28	35	33	2	—	—	—	31	28	3	—	—	—
27	43	42	1	—	—	—	56	55	1	—	—	—
26	55	55	—	—	—	—	103	103	—	—	—	—
25	40	39	1	—	—	—	27	27	—	—	—	—
24	41	41	—	—	—	—	49	48	1	—	—	—
23	51	51	—	—	—	—	55	53	—	—	2	—
22	31	29	2	—	—	—	27	26	1	—	—	—
21	26	26	—	—	—	—	32	30	1	—	1	—
20	17	13	—	2	—	2	14	10	1	2	—	1
19	11	10	—	—	—	—	1	10	—	—	—	—
18	1,607	67	—	801	713	26	1,867	86	—	869	875	37

## DOMESTIC

Total	47,428	36,315	101	7,661	1,855	1,496	48,243	36,232	102	8,554	1,866	1,489
37	—	—	—	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	2	2	—	—	—	—
35	—	—	—	—	—	—	2	1	—	—	—	—
34	1	1	—	—	—	—	10	10	—	—	—	—
33	1	1	—	—	—	—	17	17	—	—	—	—
32	—	—	—	—	—	—	17	15	2	—	—	—
31	1	—	1	—	—	—	2	2	—	—	—	—
30	3	1	2	—	—	—	1	1	—	—	—	—
29	3	2	1	—	—	—	9	7	2	—	—	—
28	44	41	3	—	—	—	14	11	3	—	—	—
27	22	21	1	—	—	—	7	7	—	—	—	—
26	34	33	1	—	—	—	11	11	—	—	—	—
25	23	20	1	—	1	1	9	7	1	—	—	1
24	7	7	—	—	—	—	5	4	1	—	—	—

### Trips and Drafts of Vessels, 1999 (draft in feet)

## Lake Washington Ship Canal, WA

Grand Total	Upbound						Downbound					
	4,379	2,604	2	1,052	662	59	4,228	2,568	2	958	659	41
<b>FOREIGN</b>												
Total	52	15	2	23	8	4	52	7	2	21	20	2
≤ 22	52	15	2	23	8	4	52	7	2	21	20	2
<b>DOMESTIC</b>												
Total	4,327	2,589	—	1,029	654	55	4,176	2,561	—	937	639	39
≤ 22	4,327	2,589	—	1,029	654	55	4,176	2,561	—	937	639	39
										Total trips:		
										8,607		

## EVERETT HARBOR AND SNOHOMISH RIVER, WA

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>ANACORTES HARBOR, WA</b>												
Inbound												
<b>Grand Total</b>	<b>8,475</b>	<b>5,601</b>	<b>260</b>	<b>2,206</b>	<b>21</b>	<b>387</b>	<b>8,480</b>	<b>5,598</b>	<b>239</b>	<b>2,219</b>	<b>14</b>	<b>410</b>
FOREIGN												
Total	241	31	54	116	13	27	223	29	50	112	9	23
47	1	1	—	—	—	—	—	—	—	—	—	—
46	—	—	—	—	—	—	2	—	2	—	—	—
45	—	—	—	—	—	—	4	—	4	—	—	—
44	2	1	1	—	—	—	2	—	2	—	—	—
43	1	—	1	—	—	—	—	—	—	—	—	—
42	6	—	6	—	—	—	2	—	2	—	—	—
41	2	1	1	—	—	—	—	—	—	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
39	1	—	1	—	—	—	3	—	3	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	1	—	1	—	—	—
36	4	2	2	—	—	—	—	1	—	1	—	—
35	3	—	3	—	—	—	3	1	2	—	—	—
34	2	—	2	—	—	—	3	—	3	—	—	—
33	8	—	8	—	—	—	4	—	4	—	—	—
32	5	—	5	—	—	—	5	2	3	—	—	—
30	5	2	3	—	—	—	4	1	3	—	—	—
29	2	1	1	—	—	—	6	4	2	—	—	—
28	2	—	2	—	—	—	4	1	3	—	—	—
27	1	—	1	—	—	—	3	—	3	—	—	—
26	4	1	3	—	—	—	1	—	1	—	—	—
25	2	—	2	—	—	—	7	3	4	—	—	—
24	2	1	1	—	—	—	3	1	2	—	—	—
23	1	—	1	—	—	—	3	—	3	—	—	—
22	1	—	1	—	—	—	2	1	1	—	—	—
21	2	2	—	—	—	—	—	—	—	—	—	—
20	3	1	—	—	—	2	—	—	—	—	—	—
≤ 18	174	17	3	116	13	25	160	15	1	112	9	23
DOMESTIC												
Total	8,234	5,570	206	2,090	8	360	8,257	5,569	189	2,107	5	387
54	—	—	—	—	—	—	1	—	1	—	—	—
53	—	—	—	—	—	—	1	—	1	—	—	—
47	—	—	—	—	—	—	1	—	1	—	—	—
45	2	—	2	—	—	—	—	—	—	—	—	—
44	12	—	12	—	—	—	—	—	—	—	—	—
43	16	—	16	—	—	—	—	—	—	—	—	—
42	8	—	8	—	—	—	—	—	—	—	—	—
41	3	—	3	—	—	—	1	—	1	—	—	—
40	11	—	11	—	—	—	1	—	1	—	—	—
39	11	—	11	—	—	—	—	—	—	—	—	—
38	23	—	23	—	—	—	4	—	4	—	—	—
37	10	—	10	—	—	—	5	—	5	—	—	—
36	10	—	10	—	—	—	4	—	4	—	—	—
35	1	—	1	—	—	—	2	—	2	—	—	—
34	10	—	10	—	—	—	4	—	4	—	—	—
33	9	—	9	—	—	—	2	—	2	—	—	—
32	11	—	11	—	—	—	4	—	4	—	—	—
31	7	—	7	—	—	—	4	—	4	—	—	—
30	2	—	2	—	—	—	17	—	17	—	—	—
29	4	—	4	—	—	—	11	—	11	—	—	—
28	1	—	1	—	—	—	13	—	13	—	—	—
27	3	—	3	—	—	—	2	—	2	—	—	3
26	4	—	3	—	—	1	6	—	3	—	—	—
25	3	—	3	—	—	—	24	—	24	—	—	—
24	—	—	—	—	—	—	11	—	11	—	—	—
23	1	—	1	—	—	—	—	—	—	—	—	—
22	487	—	1	487	—	—	503	—	1	499	1	2
21	9	—	—	—	—	9	11	—	—	—	—	11
20	66	—	18	44	—	4	70	—	10	55	—	5
19	67	—	—	55	—	12	100	—	—	67	—	33
≤ 18	7,443	5,570	27	1,504	8	334	7,455	5,569	63	1,486	4	333
Total trips:												<b>16,955</b>

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels			
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker		
<b>BELLINGHAM BAY AND HARBOR, WA</b>														
Inbound														
<b>Grand Total</b>	<b>1,613</b>	<b>492</b>	<b>16</b>	<b>859</b>	<b>202</b>	<b>44</b>	<b>1,615</b>	<b>487</b>	<b>21</b>	<b>873</b>	<b>181</b>	<b>53</b>		
<b>FOREIGN</b>														
Total	172	77	12	36	37	10	169	75	14	33	30	17		
33	2	2	—	—	—	—	2	2	—	—	—	—		
29	—	—	—	—	—	—	1	1	—	—	—	—		
28	1	1	—	—	—	—	9	8	1	—	—	—		
27	3	2	1	—	—	—	2	2	—	—	—	—		
26	5	5	—	—	—	—	2	2	—	—	—	—		
25	4	3	1	—	—	—	7	6	1	—	—	—		
24	5	5	—	—	—	—	7	4	3	—	—	—		
23	3	2	1	—	—	—	3	2	1	—	—	—		
22	9	8	1	—	—	—	4	1	3	—	—	—		
21	2	—	2	—	—	—	2	1	1	—	—	—		
20	2	—	2	—	—	—	2	—	2	—	—	—		
19	10	8	2	—	—	—	3	2	1	—	—	—		
≤ 18	126	41	2	36	37	10	125	44	1	33	30	17		
<b>DOMESTIC</b>														
Total	1,441	415	4	823	165	34	1,446	412	7	840	151	36		
30	1	—	1	—	—	—	1	—	1	—	—	—		
28	—	—	—	—	—	—	1	—	1	—	—	—		
26	—	—	—	—	—	—	1	—	1	—	—	—		
24	3	—	3	—	—	—	2	—	2	—	—	—		
22	281	—	—	281	—	—	297	—	—	297	—	—		
21	—	—	—	—	—	—	2	—	2	—	—	—		
20	1	—	—	1	—	—	1	—	—	1	—	—		
19	6	—	—	6	—	—	4	—	—	4	—	—		
≤ 18	1,149	415	—	535	165	34	1,137	412	—	538	151	36		
<b>Total trips:</b>											<b>3,228</b>			
<b>Project</b>														
<b>BLAINE HARBOR, WA</b>														
(12 feet and less)														
Inbound														
<b>Grand Total</b>	<b>22</b>	<b>—</b>	<b>—</b>	<b>20</b>	<b>2</b>	<b>—</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>18</b>	<b>1</b>		
<b>Total trips:</b>											<b>41</b>			
<b>COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA</b>														
(8 feet and less)														
Upbound														
<b>Grand Total</b>	<b>11,890</b>	<b>11,880</b>	<b>—</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>11,884</b>	<b>11,880</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>—</b>		
<b>Total trips:</b>											<b>23,774</b>			
<b>FLATHEAD LAKE, MT</b>														
No Vessel Trips Reported														
<b>HOQUIAM RIVER, WA</b>														
(14 feet and less)														
Upbound														
<b>Grand Total</b>	<b>116</b>	<b>—</b>	<b>—</b>	<b>100</b>	<b>16</b>	<b>—</b>	<b>87</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>71</b>	<b>16</b>		
<b>Total trips:</b>											<b>203</b>			
<b>KOOTENAI RIVER, ID AND MT</b>														
No Vessel Trips Reported														

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels		
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	
<b>Project</b>													
<b>NEAH BAY, WA</b> (15 feet and less)													
Inbound													
<b>Grand Total</b>	33	—	—	—	19	14	—	54	—	—	25	29	— 87
<b>PORT GAMBLE HARBOR, WA</b> (16 feet and less)													
Inbound													
<b>Grand Total</b>	46	—	—	—	38	8	—	35	—	—	30	5	— 81
<b>QUILLAYUTE RIVER, WA</b> (22 feet and less)													
Upbound													
<b>Grand Total</b>	2	—	—	—	2	—	—	2	—	—	2	—	— 4
<b>SKAGIT RIVER, WA</b> (7 feet and less)													
Upbound													
<b>Grand Total</b>	17	16	—	—	1	—	—	17	16	—	1	—	— 34
<b>STILLAGUAMISH RIVER, WA</b> No Vessel Trips Reported													
<b>SWINOMISH CHANNEL, WA</b> (13 feet and less)													
Upbound													
<b>Grand Total</b>	326	130	—	—	154	42	—	322	137	—	143	42	— 648
<b>WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA</b> (17 feet and less)													
Upbound													
<b>Grand Total</b>	43	—	—	—	35	8	—	52	—	—	44	8	— 95
<b>WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA</b> No Vessel Trips Reported													
<b>Non-project</b>													
<b>COEUR D ALENE LAKE AND ST. JOE RIVER, ID</b> (7 feet and less)													
Upbound													
<b>Grand Total</b>	737	—	—	—	737	—	—	737	—	—	737	—	— 1,474
<b>OTHER PUGET SOUND AREA PORTS, WA</b> (56 feet and less)													
Inbound													
<b>Grand Total</b>	136,571	129,013	281	5,279	1,523	475	135,818	128,983	294	4,526	1,524	491	Total trips: 272,389

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>KETCHIKAN HARBOR, AK</b>												
Inbound												
<b>Grand Total</b>	<b>3,246</b>	<b>1,883</b>	—	<b>651</b>	<b>596</b>	<b>116</b>	<b>3,445</b>	<b>2,008</b>	—	<b>706</b>	<b>600</b>	<b>131</b>
FOREIGN												
Total	1,030	761	—	132	135	2	1,068	781	—	140	145	2
29	4	—	—	—	4	—	13	6	—	—	7	—
28	12	12	—	—	—	—	16	16	—	—	—	—
27	52	52	—	—	—	—	57	57	—	—	—	—
26	77	77	—	—	—	—	77	77	—	—	—	—
25	75	75	—	—	—	—	77	77	—	—	—	—
24	65	65	—	—	—	—	64	64	—	—	—	—
23	45	45	—	—	—	—	44	44	—	—	—	—
22	28	28	—	—	—	—	28	27	—	1	—	—
21	1	1	—	—	—	—	1	1	—	—	—	—
20	3	—	—	—	3	—	3	—	—	—	3	—
19	10	10	—	—	—	—	3	3	—	—	—	—
18	9	8	—	—	1	—	4	2	—	—	2	—
17	15	14	—	—	1	—	16	16	—	—	—	—
16	30	4	—	7	19	—	31	4	—	7	20	—
15	26	5	—	12	8	1	21	2	—	14	4	1
14	16	5	—	1	10	—	28	7	—	7	14	—
13	37	27	—	8	2	—	34	31	—	3	—	—
≤ 12	525	333	—	104	87	1	551	347	—	108	95	1
DOMESTIC												
Total	2,216	1,122	—	519	461	114	2,377	1,227	—	566	455	129
20	24	—	—	24	—	—	15	—	—	15	—	—
18	9	—	—	8	—	1	30	—	—	30	—	—
17	9	—	—	8	—	1	12	—	—	12	—	—
16	56	29	—	27	—	—	48	28	—	20	—	—
15	403	299	—	94	3	7	419	299	—	111	4	5
14	166	96	—	13	57	—	172	96	—	19	56	1
13	267	197	—	67	—	3	271	198	—	68	1	4
≤ 12	1,282	501	—	278	401	102	1,410	606	—	291	394	119
Total trips:												6,691
<b>WRANGELL NARROWS, AK</b>												
Upbound												
<b>Grand Total</b>	<b>1,494</b>	<b>671</b>	—	<b>409</b>	<b>335</b>	<b>79</b>	<b>1,504</b>	<b>704</b>	—	<b>374</b>	<b>344</b>	<b>82</b>
DOMESTIC												
Total	1,494	671	—	409	335	79	1,504	704	—	374	344	82
20	18	—	—	18	—	—	13	—	—	13	—	—
18	18	—	—	18	—	—	9	—	—	9	—	—
17	4	—	—	4	—	—	4	—	—	3	—	1
16	45	25	—	20	—	—	48	27	—	21	—	—
15	402	288	—	109	—	5	410	288	—	116	1	5
14	170	98	—	11	61	—	163	98	—	10	55	—
13	116	49	—	64	—	3	113	49	—	64	—	—
≤ 12	721	211	—	165	274	71	744	242	—	138	288	76
Total trips:												2,998
<b>JUNEAU HARBOR, AK</b>												
Upbound												
<b>Grand Total</b>	<b>2,924</b>	<b>2,406</b>	—	<b>231</b>	<b>240</b>	<b>47</b>	<b>2,958</b>	<b>2,460</b>	—	<b>225</b>	<b>233</b>	<b>40</b>
FOREIGN												
Total	344	333	—	5	5	1	398	393	—	1	3	1
24	250	249	—	—	1	—	310	307	—	—	3	—
23	33	33	—	—	—	—	39	39	—	—	—	—
22	19	19	—	—	—	—	20	20	—	—	—	—
21	1	1	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

JUNEAU HARBOR, AK - continued

	Upbound						Downbound					
<b>FOREIGN</b>												
20	5	4	—	—	—	1	2	2	—	—	—	—
19	2	2	—	—	—	—	1	1	—	—	—	—
18	1	1	—	—	—	—	1	1	—	—	—	—
17	20	19	—	—	—	1	—	19	19	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	—	—	—	1	—	—	1	—	—	1	—
14	2	—	—	—	1	1	—	—	—	—	—	—
13	1	—	—	—	—	1	—	—	—	—	—	—
12	2	—	—	—	2	—	—	1	—	—	—	1
11	4	2	—	—	1	1	—	2	2	—	—	—
10	1	1	—	—	—	—	—	1	1	—	—	—
6	1	1	—	—	—	—	1	1	—	—	—	—
<b>DOMESTIC</b>												
<b>Total</b>	<b>2,580</b>	<b>2,073</b>	—	<b>226</b>	<b>235</b>	<b>46</b>	<b>2,560</b>	<b>2,067</b>	—	<b>224</b>	<b>230</b>	<b>39</b>
20	22	—	—	22	—	—	16	—	—	16	—	—
18	14	—	—	14	—	—	19	—	—	18	—	1
17	7	—	—	7	—	—	7	—	—	7	—	—
16	51	29	—	22	—	—	49	29	—	20	—	—
15	372	300	—	69	—	3	386	300	—	83	—	3
14	206	146	—	14	46	—	205	146	—	13	46	—
13	120	78	—	39	—	3	114	78	—	36	—	—
12	88	82	—	2	—	4	84	82	—	2	—	—
11	6	—	—	2	—	4	2	—	—	1	—	1
10	98	62	—	29	—	7	88	62	—	23	—	3
9	43	40	—	—	—	3	33	25	—	—	—	8
8	23	18	—	—	—	5	17	14	—	—	—	3
7	36	27	—	—	2	7	36	30	—	—	1	5
6	76	71	—	—	2	3	90	81	—	1	4	4
5	100	—	—	—	97	3	100	—	—	—	97	3
4	3	—	—	—	—	3	5	—	—	—	5	3
3	1,116	1,047	—	—	68	1	1,117	1,047	—	—	67	3
2	195	173	—	4	18	—	192	173	—	4	15	—
1	4	—	—	—	4	—	—	—	—	—	—	—
<b>Total trips:</b>											<b>5,882</b>	

VALDEZ HARBOR, AK

Grand Total	Inbound						Outbound					
	1,550	1,057	382	65	8	38	1,601	1,056	437	63	7	38
<b>FOREIGN</b>												
<b>Total</b>	<b>27</b>	<b>1</b>	<b>21</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>30</b>	<b>1</b>	<b>24</b>	<b>2</b>	<b>1</b>	<b>2</b>
58	—	—	—	—	—	—	8	—	8	—	—	—
55	—	—	—	—	—	—	6	—	6	—	—	—
54	—	—	—	—	—	—	3	—	3	—	—	—
52	—	—	—	—	—	—	4	—	4	—	—	—
50	—	—	—	—	—	—	1	—	1	—	—	—
43	1	1	—	—	—	—	—	—	—	—	—	—
42	1	—	—	1	—	—	—	—	—	—	—	—
40	1	—	—	1	—	—	—	—	—	—	—	—
39	2	—	—	2	—	—	—	—	—	—	—	—
38	3	—	—	3	—	—	2	—	2	—	—	—
37	1	—	—	1	—	—	—	—	—	—	—	—
36	3	—	—	3	—	—	—	—	—	—	—	—
35	3	—	—	3	—	—	—	—	—	—	—	—
34	2	—	—	2	—	—	—	—	—	—	—	—
33	2	—	—	2	—	—	—	—	—	—	—	—
32	1	—	—	1	—	—	—	—	—	—	—	—
29	2	—	—	2	—	—	—	—	—	—	—	—
24	2	—	—	—	1	—	2	—	—	—	1	1
17	1	—	—	—	1	—	—	2	—	—	—	—
15	1	—	—	—	—	—	1	1	—	2	—	—
13	—	1	—	—	—	1	1	—	—	—	—	1
≤ 12	—	—	—	—	—	—	—	—	—	—	—	—

### Trips and Drafts of Vessels, 1999 (draft in feet)

## **SEWARD HARBOR, AK**

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SEWARD HARBOR, AK - continued**

Inbound													Outbound		
<b>FOREIGN</b>															
22	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—
17	7	7	—	—	—	—	7	7	—	—	—	—	—	—	—
16	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—
15	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—
14	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12	2	2	—	—	—	—	2	2	—	—	—	—	—	—	—
<b>DOMESTIC</b>															
<b>Total</b>	<b>434</b>	<b>411</b>	—	7	9	7	<b>422</b>	<b>406</b>	—	3	6	7			
26	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—
22	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—
16	7	7	—	—	—	—	7	7	—	—	—	—	—	—	—
15	4	4	—	—	—	—	4	4	—	—	—	—	—	—	—
14	5	3	—	—	2	—	7	3	—	—	2	2	—	—	—
13	52	52	—	—	—	—	52	52	—	—	—	—	—	—	—
12	9	—	—	4	5	—	6	1	—	2	3	—	—	—	—
11	22	22	—	—	—	—	22	21	—	—	—	1	—	—	1
10	4	2	—	—	1	1	2	2	—	—	—	—	—	—	—
9	116	113	—	3	—	—	204	202	—	1	—	—	—	—	—
8	1	—	—	—	—	1	1	—	—	—	—	—	—	—	—
7	91	91	—	—	—	—	—	—	—	—	—	—	—	—	—
6	1	—	—	—	1	—	3	—	—	—	1	2	—	—	—
4	100	100	—	—	—	—	109	109	—	—	—	—	—	—	—
3	18	15	—	—	—	—	—	—	—	—	—	—	—	—	—
2	2	2	—	—	—	—	5	5	—	—	—	—	—	—	—
<b>Total trips:</b>													<b>1,061</b>		

**HOMER, AK**

Inbound													Outbound		
<b>Grand Total</b>															
<b>Total</b>	<b>364</b>	<b>278</b>	<b>14</b>	<b>21</b>	<b>32</b>	<b>19</b>	<b>364</b>	<b>272</b>	<b>13</b>	<b>29</b>	<b>32</b>	<b>18</b>			
<b>FOREIGN</b>															
27	72	42	14	4	12	—	64	37	13	3	11	—			
21	21	13	8	—	—	—	26	17	9	—	—	—	—	—	—
26	2	2	—	—	—	—	1	1	—	—	—	—	—	—	—
25	3	1	2	—	—	—	3	1	2	—	—	—	—	—	—
24	3	3	—	—	—	—	3	3	—	—	—	—	—	—	—
23	3	2	1	—	—	—	3	2	1	—	—	—	—	—	—
22	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—
21	6	6	—	—	—	—	4	4	—	—	—	—	—	—	—
20	4	3	1	—	—	—	10	2	1	—	7	—	—	—	—
19	6	6	—	—	—	—	4	4	—	—	—	—	—	—	—
18	2	1	—	—	1	—	1	—	—	—	1	—	—	—	—
17	4	2	1	—	1	—	2	2	—	—	—	—	—	—	—
16	10	—	—	1	9	—	4	—	—	1	3	—	—	—	—
15	2	1	—	1	—	—	1	1	—	—	—	—	—	—	—
12	2	—	—	2	—	—	2	—	—	2	—	—	—	—	—
11	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
10	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—
<b>DOMESTIC</b>															
<b>Total</b>	<b>292</b>	<b>236</b>	—	17	<b>20</b>	<b>19</b>	<b>300</b>	<b>235</b>	—	<b>26</b>	<b>21</b>	<b>18</b>			
20	1	—	—	1	—	—	2	—	—	2	—	—	—	—	—
17	—	—	—	2	—	1	6	5	—	7	—	1	—	—	—
16	8	5	—	2	—	1	7	—	—	8	—	1	—	—	—
15	2	—	—	1	—	1	6	87	—	1	6	3	—	—	—
14	12	9	—	1	—	2	11	9	—	2	—	2	—	—	—
13	100	87	—	7	—	6	96	87	—	8	—	1	—	—	—
12	6	—	—	1	4	1	10	—	—	5	—	4	—	—	—
11	40	38	—	—	—	2	40	38	—	—	—	—	—	—	—
10	4	—	—	4	—	—	10	—	—	5	—	4	—	—	—
9	2	—	—	—	—	2	—	—	—	—	—	—	—	—	—
7	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—
6	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—
5	3	2	—	—	1	—	3	1	—	—	—	1	—	—	—

### Trips and Drafts of Vessels, 1999 (draft in feet)

## Trips and Drafts of Vessels, 1999 (draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>KODIAK HARBOR, AK</b>												
Inbound												
<b>Grand Total</b>	<b>384</b>	<b>294</b>	<b>3</b>	<b>43</b>	<b>2</b>	<b>42</b>	<b>412</b>	<b>293</b>	<b>2</b>	<b>70</b>	<b>4</b>	<b>43</b>
<b>FOREIGN</b>												
Total	2	1	1	—	—	—	1	1	—	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—
18	1	1	—	—	—	—	—	—	—	—	—	—
<b>DOMESTIC</b>												
Total	382	293	2	43	2	42	411	292	2	70	4	43
30	1	—	1	—	—	—	1	1	—	—	—	—
29	11	11	—	—	—	—	11	11	—	—	—	—
28	13	12	1	—	—	—	9	9	—	—	—	—
27	12	12	—	—	—	—	14	14	—	—	—	—
26	3	3	—	—	—	—	1	1	—	—	—	—
24	34	34	—	—	—	—	33	33	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
21	1	—	—	—	—	1	1	—	—	—	1	—
17	1	1	—	—	—	—	—	—	—	—	—	—
16	11	5	—	6	—	—	10	6	—	4	—	—
15	10	3	—	7	—	—	24	4	—	20	—	—
14	15	11	—	1	—	3	12	10	—	1	—	1
13	104	90	—	6	—	8	105	90	—	13	—	2
12	16	9	—	2	—	5	13	9	—	3	—	1
11	44	41	—	—	—	3	43	41	—	—	—	2
10	29	1	—	21	—	7	27	1	—	24	—	2
9	3	—	—	—	—	3	62	55	—	4	—	3
8	5	—	—	—	—	5	5	—	2	—	—	3
7	4	—	—	—	—	4	6	—	—	—	—	6
6	2	1	—	—	—	1	7	1	—	1	—	5
5	—	—	—	—	—	—	2	—	—	—	—	2
4	8	5	—	—	—	1	2	7	5	—	—	1
3	1	—	—	—	—	1	15	—	—	—	—	15
2	54	54	—	—	—	—	2	—	—	—	—	2
										<b>Total trips:</b>		
										<b>796</b>		

## **UNALASKA BAY AND ISLAND, AK**

Grand Total	Inbound							Outbound				
	850	649	4	107	17	73	835	621	3	108	25	78
<b>FOREIGN</b>												
<b>Total</b>	<b>285</b>	<b>279</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>283</b>	<b>278</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>—</b>
34	39	38	1	—	—	—	47	46	—	—	—	—
33	20	20	—	—	—	—	15	15	—	—	—	—
32	13	13	—	—	—	—	12	12	—	—	—	—
31	11	10	1	—	—	—	7	7	—	—	—	—
30	4	3	1	—	—	—	3	3	—	—	—	—
29	1	1	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	2	2	—	—	—	—
27	2	2	—	—	—	—	3	3	—	—	—	—
26	1	—	1	—	—	—	—	—	—	—	—	—
24	2	2	—	—	—	—	4	4	—	—	—	—
23	3	3	—	—	—	—	4	4	—	—	—	—
22	7	7	—	—	—	—	8	8	—	—	—	—
21	9	9	—	—	—	—	19	17	2	—	—	—
20	15	15	—	—	—	—	17	17	—	—	—	—
19	11	11	—	—	—	—	20	20	—	—	—	—
18	21	21	—	—	—	—	23	23	—	—	—	—
17	20	20	—	—	—	—	16	16	—	—	—	—
16	26	26	—	—	—	—	28	28	—	—	—	—
15	34	34	—	—	—	—	23	23	—	—	—	—
14	16	15	—	1	—	—	12	11	—	1	—	—
13	12	12	—	—	—	—	7	7	—	—	—	—
12	4	4	—	—	—	—	1	1	—	—	—	—
11	8	8	—	—	—	—	7	7	—	—	—	—
10	3	2	—	—	—	1	3	2	—	—	—	1

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels			
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker		
<b>UNALASKA BAY AND ISLAND, AK - continued</b>														
Inbound														
<b>FOREIGN</b>														
9	1	1	—	—	—	—	—	—	—	—	—	—		
8	1	1	—	—	—	—	—	—	—	—	—	—		
7	1	1	—	—	—	—	1	1	—	—	—	—		
<b>DOMESTIC</b>														
<b>Total</b>	<b>565</b>	<b>370</b>	<b>—</b>	<b>106</b>	<b>16</b>	<b>73</b>	<b>552</b>	<b>343</b>	<b>—</b>	<b>107</b>	<b>24</b>	<b>78</b>		
34	6	6	—	—	—	—	—	—	—	—	—	—		
33	6	6	—	—	—	—	—	—	—	—	—	—		
32	1	1	—	—	—	—	1	1	—	—	—	—		
31	—	—	—	—	—	—	2	2	—	—	—	—		
30	1	1	—	—	—	—	3	3	—	—	—	—		
29	4	4	—	—	—	—	1	1	—	—	—	—		
28	8	8	—	—	—	—	7	7	—	—	—	—		
27	6	6	—	—	—	—	6	6	—	—	—	—		
26	3	3	—	—	—	—	2	2	—	—	—	—		
24	16	16	—	—	—	—	16	16	—	—	—	—		
23	1	—	—	—	—	1	—	—	—	—	—	—		
22	1	—	—	—	—	1	—	—	—	—	—	—		
21	2	—	—	—	1	1	—	—	—	—	—	—		
20	22	12	—	9	—	1	10	—	—	10	—	—		
19	1	—	—	—	—	1	—	—	—	—	—	—		
18	5	1	—	1	—	3	3	1	—	1	—	1		
17	3	—	—	2	—	1	2	1	—	1	—	—		
16	17	11	—	1	—	5	16	11	—	3	—	2		
15	34	21	—	12	—	1	38	20	—	14	2	2		
14	50	16	—	27	5	2	49	20	—	23	6	—		
13	74	69	—	2	—	3	76	70	—	2	—	4		
12	106	98	—	2	5	1	114	101	—	3	9	1		
11	41	38	—	—	1	2	45	42	—	1	2	—		
10	77	26	—	44	—	7	76	18	—	46	—	12		
9	32	22	—	6	1	3	29	16	—	4	1	8		
8	6	2	—	—	—	4	9	1	—	—	1	7		
7	3	—	—	—	1	2	3	—	—	—	—	3		
6	7	2	—	—	—	1	5	10	1	—	1	6		
5	6	1	—	—	—	1	1	2	—	—	—	9		
4	1	—	—	—	—	—	—	—	—	—	1	1		
3	5	—	—	—	—	5	7	—	—	—	—	7		
2	20	—	—	—	1	19	15	—	—	—	2	13		
<b>Total trips:</b>											<b>1,685</b>			
<b>Project</b>														
<b>BETHEL HARBOR, AK</b> (15 feet and less)														
<b>Grand Total</b>	<b>279</b>	<b>4</b>	<b>—</b>	<b>124</b>	<b>145</b>	<b>6</b>	<b>282</b>	<b>4</b>	<b>—</b>	<b>121</b>	<b>152</b>	<b>5</b>		
<b>Total trips:</b>											<b>561</b>			
<b>CORDOVA HARBOR, AK</b> (16 feet and less)														
<b>Grand Total</b>	<b>271</b>	<b>213</b>	<b>—</b>	<b>42</b>	<b>—</b>	<b>16</b>	<b>264</b>	<b>213</b>	<b>—</b>	<b>36</b>	<b>—</b>	<b>15</b>		
<b>Total trips:</b>											<b>535</b>			
<b>CRAIG HARBOR, AK</b> (13 feet and less)														
<b>Grand Total</b>	<b>108</b>	<b>1</b>	<b>—</b>	<b>55</b>	<b>30</b>	<b>22</b>	<b>106</b>	<b>1</b>	<b>—</b>	<b>54</b>	<b>30</b>	<b>21</b>		
<b>Total trips:</b>											<b>214</b>			
<b>DILLINGHAM HARBOR, AK</b> (21 feet and less)														
<b>Grand Total</b>	<b>65</b>	<b>8</b>	<b>—</b>	<b>23</b>	<b>26</b>	<b>8</b>	<b>62</b>	<b>9</b>	<b>—</b>	<b>21</b>	<b>24</b>	<b>8</b>		
<b>Total trips:</b>											<b>127</b>			
<b>DOUGLAS HARBOR, AK</b> (13 feet and less)														
<b>Grand Total</b>	<b>1,116</b>	<b>1,110</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>1,107</b>	<b>1,104</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>2</b>		
<b>Total trips:</b>											<b>2,223</b>			

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>Project</b>												
<b>DRY PASS, AK</b> (4 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>EGERGIK RIVER, AK</b> (13 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>ELFIN COVE HARBOR, AK</b> (12 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>GASTINEAU CHANNEL, AK</b> No Vessel Trips Reported												
<b>HOONAH HARBOR, AK</b> (19 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>HUMBOLDT HARBOR, AK</b> (22 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>KAKE HARBOR, AK</b> (16 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>KING COVE LAGOON, AK</b> (22 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>METLAKATLA HARBOR, AK</b> (13 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>NAKNEK RIVER, AK</b> (20 feet and less)												
<b>Grand Total</b>												
Upbound												
Downbound												
<b>Total trips:</b>												
<b>NINILCHIK HARBOR, AK</b> (4 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												
<b>NOME, AK</b> (22 feet and less)												
<b>Grand Total</b>												
Inbound												
Outbound												
<b>Total trips:</b>												

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>Project</b>												
<b>OLD HARBOR, AK</b> (15 feet and less)												
Inbound												
<b>Grand Total</b>	14	12	—	—	—	2	14	12	—	—	<b>Total trips:</b>	28
<b>PELICAN HARBOR, AK</b> (13 feet and less)												
Inbound												
<b>Grand Total</b>	60	24	—	17	12	7	60	24	—	—	<b>Total trips:</b>	120
<b>PETERSBURG HARBOR, AK</b> (20 feet and less)												
Inbound												
<b>Grand Total</b>	1,075	538	—	260	243	34	1,101	555	—	—	<b>Total trips:</b>	2,176
<b>PORT ALEXANDER, AK</b> (6 feet and less)												
Inbound												
<b>Grand Total</b>	1	—	—	1	—	—	1	—	—	—	<b>Total trips:</b>	2
<b>ROCKY PASS IN KEKU STRAIT, AK</b> (10 feet and less)												
Upbound												
<b>Grand Total</b>	2	—	—	1	—	1	2	—	—	—	<b>Total trips:</b>	4
<b>SELDOMIA HARBOR, AK</b> (16 feet and less)												
Inbound												
<b>Grand Total</b>	79	71	—	5	2	1	75	71	—	—	<b>Total trips:</b>	154
<b>SERGIUS AND WHITESTONE NARROWS, AK</b> (16 feet and less)												
Upbound												
<b>Grand Total</b>	337	31	—	99	186	21	331	27	—	—	<b>Total trips:</b>	668
<b>SITKA HARBOR, AK</b> (25 feet and less)												
Inbound												
<b>Grand Total</b>	1,478	1,103	—	164	187	24	1,566	1,211	—	—	<b>Total trips:</b>	3,044
<b>SKAGWAY HARBOR, AK</b> (34 feet and less)												
Inbound												
<b>Grand Total</b>	743	605	—	68	67	3	712	578	—	—	<b>Total trips:</b>	1,455
<b>STIKINE RIVER, AK</b> No Vessel Trips Reported												
<b>WRANGELL HARBOR, AK</b> (24 feet and less)												
Inbound												
<b>Grand Total</b>	939	448	—	227	242	22	926	452	—	—	<b>Total trips:</b>	1,865
<b>Non-project</b>												
<b>CHATHAM STRAIT, AK</b> (33 feet and less)												
Upbound												
<b>Grand Total</b>	1,660	1,030	—	238	313	79	1,730	1,095	—	—	<b>Total trips:</b>	3,390
Downbound												

Trips and Drafts of Vessels, 1999  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
Non-project												
<b>CLARENCE STRAIT, AK</b> (24 feet and less)												
Upbound												
<b>Grand Total</b>	1,918	1,045	—	395	391	87	2,032	1,179	—	360	426	67
										<b>Total trips:</b>		<b>3,950</b>
<b>FREDERICK SOUND, AK</b> (33 feet and less)												
Upbound												
<b>Grand Total</b>	1,445	690	—	304	361	90	1,423	742	—	297	306	78
										<b>Total trips:</b>		<b>2,868</b>
<b>ICY STRAIT, AK</b> (34 feet and less)												
Upbound												
<b>Grand Total</b>	2,724	2,403	—	123	149	49	2,832	2,458	—	152	167	55
										<b>Total trips:</b>		<b>5,556</b>
<b>KIVILINA, AK</b> (20 feet and less)												
Inbound												
<b>Grand Total</b>	810	—	—	200	607	3	813	—	—	202	608	3
										<b>Total trips:</b>		<b>1,623</b>
<b>KLAWOCK, AK</b> (17 feet and less)												
Inbound												
<b>Grand Total</b>	152	—	—	111	36	5	151	1	—	107	38	5
										<b>Total trips:</b>		<b>303</b>
<b>NIKISHKA, AK</b> (40 feet and less)												
Inbound												
<b>Grand Total</b>	245	37	123	46	14	25	257	36	114	54	16	37
										<b>Total trips:</b>		<b>502</b>
<b>PRINCE OF WALES IS. WEST SIDE, AK</b> (13 feet and less)												
Inbound												
<b>Grand Total</b>	207	35	—	110	44	18	205	37	—	109	41	18
										<b>Total trips:</b>		<b>412</b>
<b>REVILLAGIGADO CHANNEL, AK</b> (29 feet and less)												
Upbound												
<b>Grand Total</b>	2,715	1,817	—	388	440	70	2,869	1,943	—	407	463	56
										<b>Total trips:</b>		<b>5,584</b>
<b>STEPHENS PASSAGE, AK</b> (33 feet and less)												
Upbound												
<b>Grand Total</b>	1,932	1,299	—	282	285	66	1,884	1,378	—	209	258	39
										<b>Total trips:</b>		<b>3,816</b>
<b>SUMNER STRAIT, AK</b> (21 feet and less)												
Upbound												
<b>Grand Total</b>	1,899	1,100	—	346	369	84	2,008	1,137	—	352	435	84
										<b>Total trips:</b>		<b>3,907</b>
<b>TONGASS NARROWS, AK</b> (29 feet and less)												
Upbound												
<b>Grand Total</b>	3,634	1,954	—	788	725	167	3,664	2,095	—	710	739	120
										<b>Total trips:</b>		<b>7,298</b>

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